

Specifications:

Gene:	<i>hGPR64</i>
Accession:	NP_005747
Insert size:	3058bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

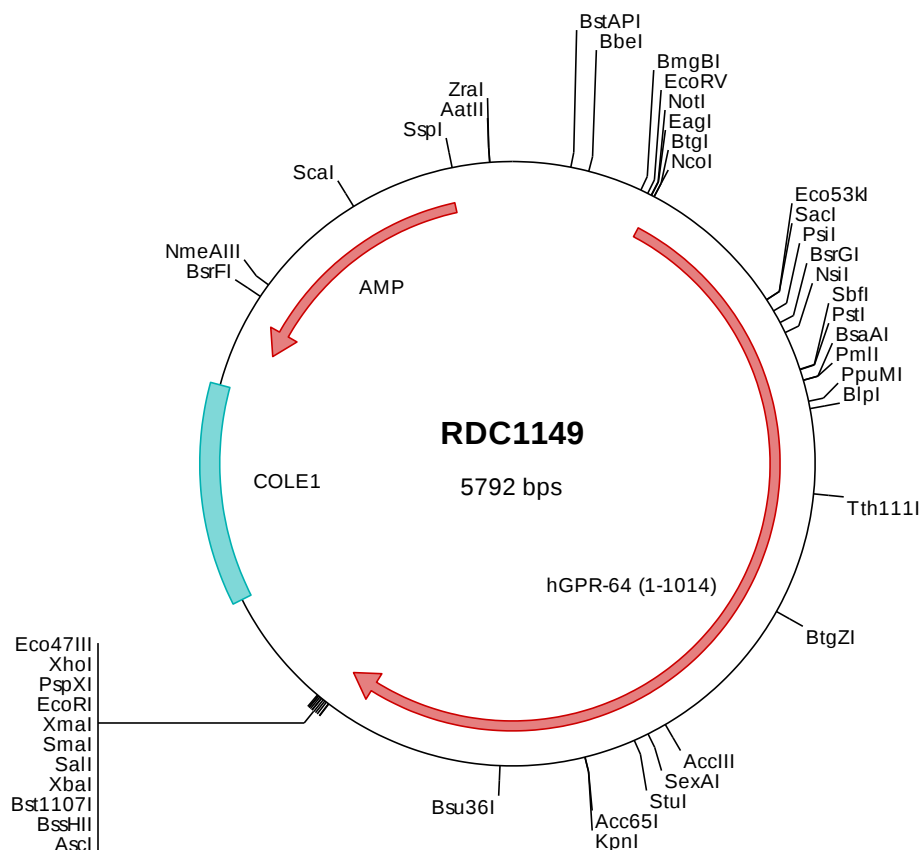
hGPR64 cDNA Plasmid

GPR64 G protein-coupled receptor 64 [*Homo sapiens* (human)]

Also known as: HE6; EDDM6; TM7LN2

Summary:

GPR64 is a member of the G protein-coupled receptor family and is an epididymis-specific transmembrane protein. It contains an extended extracellular N terminus that possesses a juxtamembrane GPS domain and serves as a proteolytic cleavage site. GPR64 may be involved in a signal transduction pathway controlling epididymal function and male fertility. Alternatively spliced transcripts encoding different proteins have been described.





> RDC1149 Plasmid DNA Sequence

```
1   tcgcgcggtt   cggatgatgac   ggtgaaaacc   tctgacacat   gcagctcccg   gagacggtca   cagcttgtct   gtaagcggat   gccgggagca   gacaagcccg
101  tcaggggcgcg   tcagcgggtg   ttggcgggtg   tcggggctgg   cttactatg   cggcatcaga   gcagattgta   ctgagagtgc   accatatgcg   gtgtgaaata
201  ccgcacagat   gcgtaaggag   aaaataccgc   atcaggcgcc   attcgccatt   caggctgcgc   aactgttggg   aagggcgatc   ggtgcggggc   tcttcgctat
301  tacgccagct   ggcgaaggag   ggaatgtctg   caaggcgatt   aagtgggta   acgccagggt   ttcccgatc   acgacgttgt   aaaacgacgg   ccagtgaatt
401  ggagacgtgt   taacaagcct   ggaatccgata   tcgctagcgc   ggcgcgcacc   atggttttct   ctgtcaggca   gtgtggccat   gttggcagaa   ctgaagaagt
501  tttaactgag   ttcaagata   tccttgtcat   catttgtctt   catgtgtctc   tggtaacatc   cctggaagaa   gatactgata   attccagttt   gtcaccacca
601  cctgtataat   tatctgttgt   cagttttgcc   cctctctcca   atgaggttga   aacaacaagc   ctcaatgatg   ttactttaag   cttactccct   tcaaacgaaa
701  cagaaaaaac   taaaaact   atagtaaaaa   ccttcaatgc   ttcaggcgct   aaaccccgag   gaaatatctg   caatttgc   tctatttgca   atgactcagc
801  attttttaga   ttgtagatga   tgtttcaata   tgataaagaa   agcaactgtt   ccagaaatca   acataaacg   aatggcaact   taactggagt   cctgtctota
901  agtgaattaa   aacgctcaga   gctcaacaaa   accctgcaaa   cctaagtga   gacttaactt   ataatgtgtg   ctacagcaga   ggcccaagc   acattaaatt
1001 gtacattcac   aataaaactg   aataatacaa   tgaatgcagt   tgctgtaata   gctgctttgg   aaagagtaaa   gattcgacca   atggaacact   gctgctgttc
1101 gttcaggata   ccttcocctt   cctcccaga   agagttggaa   aagcttcaat   gtgacctgca   ggtatccatt   gtctgtcttg   ctgacctacc   acgtggccca
1201 caattttctt   ccagccaatc   catccagtg   gtgcctcggg   ccaactgtct   ttcccaggtc   cccaaagcta   cctcttttgc   tgagcctcca   gattattcac
1301 ctgtgacca   caatgttccc   tctccaatag   gggagattca   accctcttca   ccccgacct   cagctcccat   agcttccagc   cctgcccct   acatgcccc
1401 acagtctgaa   cagatctctt   cctccatgcc   ccaaacccat   gtctccggca   cccacatccc   tgtgaaagcc   tcattttcct   ctcccacgtg   gctgcccct
1501 gogaatgtca   acaataccag   cgacactcct   gtccagacag   acatcgtaaa   caccagcagt   atttctgato   ttgagaacca   agtgttgca   atggaagag
1601 ctctgtcctt   gggcagcctg   gagcctaacc   tcgcaggaga   atgatcaac   caagtcagca   gactccttca   ttcccgcct   gacatgctgg   cccctctggt
1701 tcaaaagattg   ctgaagatag   tggctacacg   atgaactttt   cctcagcgtt   caaacacgac   tataagtcta   acctcccctt   ctttggtctc   ggctgtctga
1801 agagtgaatg   ccagtgtttt   caacacaact   acccttctgt   cccaagacc   tgcataatct   caggtttctc   tggaaacca   agctcctgag   aacagtattg
1901 gcacaattac   tcttctctca   tcgctgatga   ataatttacc   agctcatgac   atggagctag   ctctcagggt   tcagttcaat   ttttttgaaa   cactgtctt
2001 gtttcaggata   ccttcocctt   agaacctctc   tctgacacg   tacgtcatat   catcgagtgt   tgcaaacctg   accgtcagga   acttgacaag   aacgtgaca
2101 gtccatttaa   agcacatcaa   ccgcagccag   gatgagttaa   cagtgcagat   tgctatttgg   gacttgggca   gaaatggtg   cagaggaggc   tggtcagaca
2201 atggtctgct   tgtcaaaagc   aggagattga   atgaaacct   ctgtacctgt   agccatctaa   caagcttgg   cgttctgctg   gacctatcta   ggacatctgt
2301 gctgcctgct   caaatgatgg   cctctgacgt   cattacatat   attggttgg   ggtcttcaat   aatttttctg   tcagtgaact   ttgttaacct   catagctttt
2401 gaaaagatcc   ggagggatta   ccttccaaa   atcctcatcc   agctgtgtgc   tgcctgtctt   ctgctgaacc   tggcttctct   cctggactcg   tggattgtct
2501 tgtataagat   gcaaggcctc   tgcactcag   tggctgtatt   tottcaatt   ttctcttgg   tctcatcacc   atggatgggc   ctagaagcat   tccatattga
2601 cctggccctt   gtaacagtat   cctcagctga   catccgtaaa   tacactctta   aattctgcac   tctcgttgg   ggggtaccag   ctgtggttgt   gaccatcact
2701 ctgactatat   cccagataaa   ctatgggctt   ggaatctatg   ggaatttccc   caatggttca   ccggatgact   totgtcggat   caacacaact   gcagtattct
2801 acattacggt   tgggggatat   tctgtgtgta   tatttttgc   gaaactcagc   atgttctatt   tggctcctgt   tcagctctgt   cgaattaaaa   agaagaagca
2901 actgggagcc   cagcgaaaaa   ccaagtattca   agacttcagc   agtactcgtg   tttactggga   tttactggga   ataacttggg   gctttgctct   ctttgcctgg
3001 ggaccagtta   acgtgacctt   catgtatctg   tttgcactct   ttaatacctt   acaaggattt   ttcatttca   tottttactg   tgtggccaaa   gaaaatgtca
3101 ggaagcaatg   ggagggtat   ctttgttgtg   gaaagtacg   gctggctgaa   aattctgact   ggagtaaaac   tgctactaat   ggtttaaaga   agcagactgt
3201 aaacaaagga   gttgcagct   cttcaaatcc   cttacagta   agcagtaac   accaacaact   caccacactg   ctagtgaata   atgattgtct   atgtacogca
3301 agcgggaatg   gaaatgcttc   tacagagagg   aatggggtct   cttttagtgt   tcagaatgga   gatgtgtgcc   ttoatgattt   cactggaaaa   cagcacatgt
3401 ttaacagaaa   ggaagattcc   tgcattggga   aaggccgat   ggtctcaga   aggacttcaa   agcggggaag   cttacacttt   attgagcaaa   gttaaaggcg
3501 cgccagata   ctctagatc   gacaccggg   gaattctctg   agcgtctgct   tctagcttgg   cgtaatcatg   gtcataagct   tttctgtgt   gaaattgtta
3601 tccgctcaca   attccacaca   acatacagc   cggaagcata   aagtgtaaag   cctgggtgtc   ctaatgagt   agctaactca   cattaattgc   gttgcgctt
3701 ctgcccgctt   tccagctgg   aaacctgtc   tgccagctgc   attaatgaat   gcgccaacgc   ccaaggcggt   aatacggtta   tccacgaat   caggggataa
3801 cctcgctcac   tgactcgtg   cgctcgctg   ttcgctcgc   ggcagcggt   tcagctcact   caaaggcggt   aatacggtta   tccacgaat   caggggataa
3901 cgcaggaaag   aacatgtgag   caaaaggcca   gcaaaaggcc   aggaacagt   aaaaggccgc   gttgtcggcg   tttttccata   ggctccggcc   cctgtacag
4001 catcacaaa   atcgacgtc   agtcagagg   tggcgaaacc   cgacaggact   ataaagatac   caggcgtttc   cccctggaag   ctccctcgtg   gctctctctg
4101 ttcggacctt   gccgcttacc   ggatcactgt   cccgttttct   cccgttcggg   agcgtggcgc   tttctcaatg   ctcacgctgt   aggtatctca   gttcgggtga
4201 ggtcgttcgc   tccaagctg   gctgtgtgca   cgaaaccccc   ttagcagccc   accgctgcgc   cttatccgt   aactatcgtc   ttgagtccaa   cccgttaaga
4301 cagactatt   ccgaactgt   agcagcaact   ggttaacagg   ttagcagagg   gaggtatgta   ggcggtgcta   cagagttctt   taagtgtgtg   cctaactacg
4401 gctacactag   aaggacagta   tttggtatct   gcgctctgct   gaagccagtt   acccttcggg   aaagagttgg   tagctcttga   tccggcaaac   aaaccaccgc
4501 tggtagcggg   ggtttttttg   ttgcaagca   gcagattacg   cgcagaaaaa   aagagattcct   agaagattcct   ttgattcttt   ctacgggtgt   taagctcag
4601 tggaaacgaa   actcagttta   agggattttg   gtcattgagat   tatcaaaaag   gatcttcacc   tagactcctt   taatttaaaa   atgaattttt   aatcaactct
4701 aaagtatata   tgagtaaaact   tggcttgaca   gttaccaatg   cttaatcagt   gaggcacct   tctcagcgat   ctgtctattt   cggtcatcca   tagttgcttg
4801 actcccgctt   gctgtagata   ctacgatacy   ggagggtcta   ccatctggcc   ccaagctgcg   aatgataccg   cgagaccac   gctcaccggc   tccagattta
4901 tcagacaata   accagccagc   cggagcgccc   gagcgtctgc   acccttctgc   gctccatcc   agtctattaa   agtctattaa   gttcaccggc   tcagctccgg
5001 taagtatttc   gccagttaat   agtttgcgca   acgttgttgc   cattgtctac   ggcacgtgtg   tgtcacgctc   gtcgttttgt   atggcttcat   gttggccgca
5101 ttcccaacag   tcaaggcgat   ttacatgatc   ccccatgttg   tgcaaaaaag   cggttagctc   ctccggtcct   ccgatcgttg   tcagaagtaa   gttggccgca
5201 gtgttatcac   tcatgtctg   gcagcactg   cataattctc   ttaactgtcat   agatgccttt   agatgccttt   ctgtgactgg   tgagtactca   accaagtcat
5301 tctgagaata   gtgtatgcgg   cgaccgagtt   gctcttgcct   ggcgtcaata   cgggataata   ccgcgccaca   tagcagaact   ttaaaagtgc   tcatcattgg
5401 aaaacgcttc   tggggcgaa   aactctcaag   gatcttaccg   ctgttgagat   ccaagttcgt   gtaacccact   cgtgcacca   actgactctc   agcatctttt
5501 actttcacca   cgttttctgg   gtgagcaaaa   aaaaatgcgc   aaatgtcgcc   atagggcgga   caagggcgga   ftfifcvcak   envrkqwr   lccgklrlae
5601 tttttcaata   ttattgaagc   atttatcagg   gttattgtct   catgagcgga   taacatattg   aatgtattta   gaaaaataa   caaatagggg   ttcgcgcac
5701 atttcccaga   aaagtgcac   ctgacgtcta   agaaaccatt   attatcatga   cattaacct   taataatagg   cgtatcaca   ggcctttctg   tc
```

> RDC1149 Translated Insert Sequence

```
1   mvfsvrqcgh   vgrteevllt   fkiflviicl   hvvlvltsl   dtdnsslsp   paklsvsvfa   pssnevett   lndvtlsllp   snetektkit   ivktfnasgv
101  kqprnicnls   sicndsaffr   geimfgydke   stvpqnqhit   ngtltglvsl   selkrslenk   tlqtlsetyf   imcataeags   tlncftfiki   nntmncav
201  alalervkirp   mehcccsvri   pcpspeele   klqcdlqdpi   vcladhprgp   pfsssqsipv   vpratvlsqv   pkatsfaepp   dyspvthnvp   spigeiqpls
301  qpqsapiass   paidmpqqse   tisspmpqth   vsgtpppvka   sfssptvsap   anvnttsapp   vqtdivntss   isdlqnvlq   mekalslgsl   epnlagemin
401  qvslrlhsp   dmlaplaqrl   lkvvddiglg   lfnstttisl   tpslalavla   rvnassfntc   tfvaqdpnl   qvsletqape   nsigtitlps   slmnlpahd
501  melasrvqfn   ffetpalfqd   pslenlslis   yvisssvanl   tvrnltrnvt   vtlkhinpsq   deltrvrcfw   dlgrnggrgg   wsdngcsvgk   rrlnetictc
601  shltsfvll   dlstrtsvlp   qmmaltfity   igcglssifl   svtlvtvtyaf   ekirrdypsk   ililqlcaall   llnlvfllds   wialykmqgl   cisvavflhy
701  fillvftwmg   leafhmyl   ylkfciwvg   gvpavvvtii   ltispdnygl   gsygkfpngs   pddfcwinnn   avfyitvvyg   fctvifllns   fctvifllns
801  mfivlvqlc   rikkkqlga   qrktisqdlr   siagltfllg   itwgfaffaw   gvpnvtfmyl   faifntlggf   ftfifcvcak   envrkqwr   lccgklrlae
901  nsdwsktatn   glkqgtvnqg   vssssnslqs   ssnstnsttl   lvnndcshva   sgngnaster   ngvsvfsvng   dvclhdfatg   qhmfnedks   cngkgtrmalr
1001  rtskrgslhf   iegm
```