

Specifications:

| | |
|----------------|------------------|
| Gene: | hGPR149 |
| Accession: | NP_001033794 |
| Insert size: | 2209bp |
| 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

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|-------------|---|
| 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. |

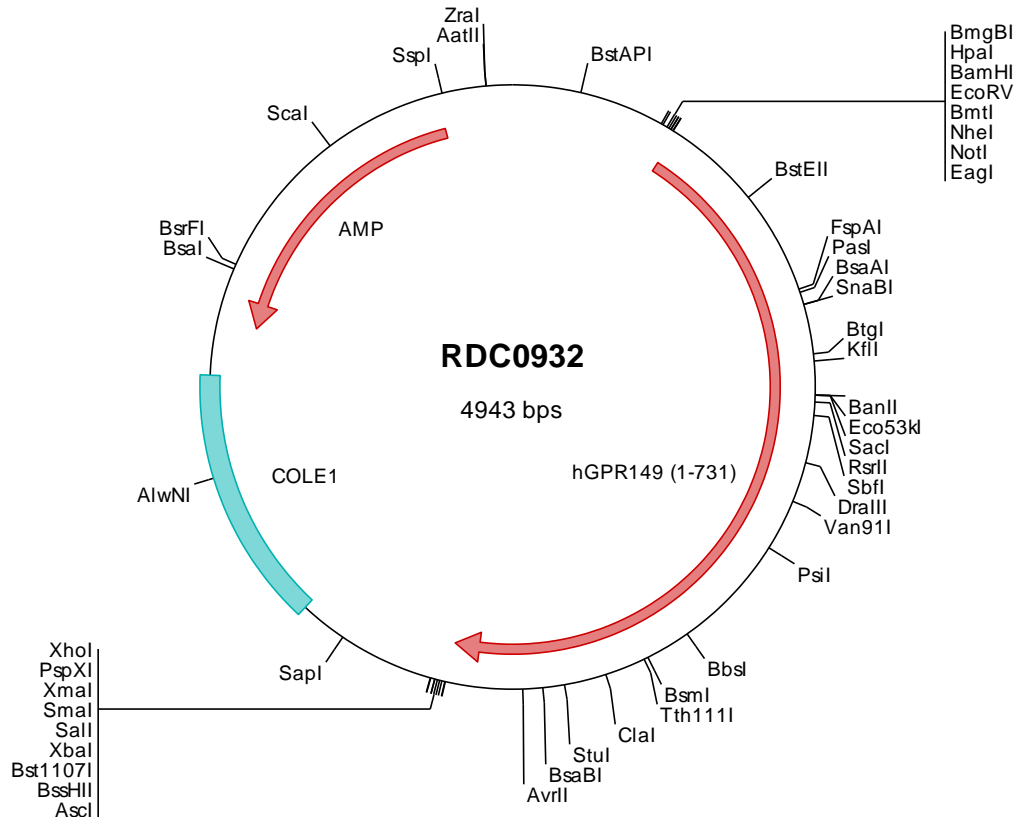
hGPR149 cDNA Plasmid

GPR149 G protein-coupled receptor 149
[*Homo sapiens* (human)]

Also known as: IEDA;
PGR10

Summary:

GPR149 belongs to the G protein-coupled receptor 1 family and is an orphan receptor. GPR149 is highly expressed in the ovary and brain and expressed at low levels in the digestive tract. Deletion of GPR149 leads to increased fertility and enhanced ovulation in mice. GPR149 could be a target for small molecules to enhance fertility in the assisted reproductive technology clinic.





> RDC0932 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attgcattt caggctgcgc aactgttggg aagggcgatc ggtcggggcc tcttcgctat
301 taacggcagct ggcgaaaagg ggatgtgctg caaggcgatt aagtgggta acgcccgggt ttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgtctttat ttctcagtaa cttacoaaca aatgactota gcoctgtgaa
501 agagaaatcat aattctacgg accttttaaa tcgcgcaggga accctgaata tctatctttt ttgcttgaca tgtctcagta cttttgcagc cttgggtggc
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701 cggtagcaat cttaotattt ttgcagtgcc caaacgaggt ccccggttac ttccaatttc tgtgaccac ctctgcctta atgtatttat gccagggcct
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2701 ctctagcttg gcgtaatcat ggtcatagct gtttctctgt tgaattgttt atccgctcac aattccacac aacatacgag ccggaagcat aaagtgtaaa
2801 gcctgggggt cctaagtagt gagctaactc acattaattg cgttgcgctc actgcccgtc ttccagtcgg gaaacctgtc gtgccagctg cattaatgaa
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3901 tgaggcaact atctcagcga tctgtctatt tcgctcatcc atagtgtcct gactccccgt cgtgtagata actacgatac gggaggcctt accatctgcg
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> RDC0932 Translated Insert Sequence

1 mslflsnlst ndsslwkenh nstdllnppg tlniylfclt clmtfaalvg siyslislk mqnrvtvmsl vaswsvddlm svlsvtifmf lqwpnevpgy
101 fqflcttsal mylccglssn lkatllvsyn fymhrvgvs qtasrrsgv lgvltvwaa slllsalplc gwgafvrtpw gclvdcssy vflsiyval
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401 lsfqksygiy kiahedydd densifyhnl mnseccttkd pqrdrnifn aikveisttp sldsstqrgi nkctndite akqdsnnkkd afsdktggdi
501 nyeettfseg perrlshees qkpdlsdew crsksertpr qrsygalap lcafqgtvsl haptgkllsl styevsaeqg kitpaskkie vyrsksvghe
601 pnsedsstf vdtsvkihle vleicndeea ldtvsiisni sqsstqvrsp slrysrkenr fvscdlgeta sysfltpsn pdgdisisip dtveahrqns
701 krhqerdgy qeeiqllnka yrkreesk s