

Specifications:

Gene:	<i>h</i> PTGFRN
Accession:	NP_065173
Insert size:	2653bp
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.

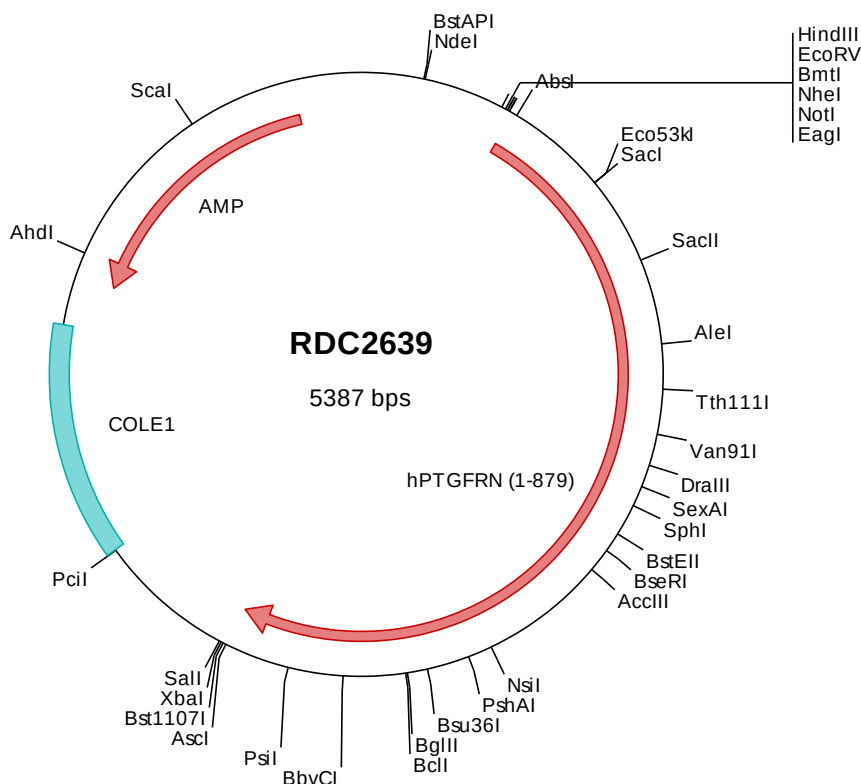
*h*FPRP/PTGFRN cDNA Plasmid

PTGFRN prostaglandin F2 receptor inhibitor [*Homo sapiens* (human)]

Also known as: FPRP; CD315; EWI-F; CD9P-1; SMAP-6

Summary:

FPRP is a type I transmembrane glycoprotein member of the EWI subfamily, Ig superfamily of molecules. It inhibits the binding of prostaglandin F2-alpha (PGF2-alpha) to its specific FP receptor, by decreasing the receptor number rather than the affinity constant. It also forms complexes with 4-TM CD9 and CD81, linking these molecules to the intracellular actin cytoskeleton.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2639 Plasmid DNA Sequence

```

1  tcgcgcgcttt  cggatgatgac  ggtgaaaaacc  tctgacacat  gcagctcccc  gagacgggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccc
101  tcaggggcgcg  tcagcggggtg  ttggcgggtg  tccgggctgg  cttactatg  cggcatcaga  gcagattgta  ctgagagtg  accatatg  gtgtgaaata
201  ccgcacacgat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgccatt  caggctcgcc  aactgttggg  aagggcgatc  ggtgcgggcc  tcttcgctat
301  tacgcccagct  ggcgaaaagg  ggaatgtgtg  caaggcgatt  aagttgggta  acgccagggt  tttcccagtc  acgacgttgt  aaaacgacgg  ccagtgtaatt
401  ggagacgtgt  taacaagctt  ggaatccgata  tcgctagcgc  ggccgccacc  atggggcgcc  tggcctcgag  gccgctgtg  ctggcgctcc  tgtgttggc
501  tctttgcgca  gggcggtgtg  tgagagtccc  cacagcgacc  ctggttcgag  tgggtggcac  tgagctggto  atccctgca  acgtcagtga  ctatgatggc
601  cccagcgagc  aaaactttga  ctggagcttc  tcatctttgg  ggagcagctt  tgtggagctt  gcaagcact  gggaggtggg  gttcccagcc  cagctgtacc
701  aggagcggct  ccagaggggc  gagatcctgt  taaggcgagc  tgccaacgac  gccgtggagc  tccacataaa  gaacgtccag  ccttcagacc  aaggccacta
801  caaatgtttca  acccccagca  cagatgcacc  tgtccaggga  aactatgagg  acacagtgca  ggttaaagt  ctggccgact  ccttcgacgt  gggccccagc
901  gcgcggcccc  cgccgagcct  gagcctggcg  gagggggagc  ccttcgagct  gccgtgcact  gccgcctccg  cctcgccgct  gcacacgcac  ctggcgctgc
1001  tgtggggagt  gcacgcggcg  ccggccaggc  ggagcgtcct  cgccctgacc  cagcagggga  ggttcacccc  gggcctgggg  ggttcaggtg  tacgagcagc
1101  tggggagctg  cgctcgaca  ccgtgggcag  cgacgcctac  cgccctcag  tgcctccggc  tctgtctgcc  gaccagggt  cctacagggt  tatcgtcagc
1201  gagtggatcg  ccgacgagg  caactggcag  gaaatccaa  aaaaggccgt  ggaagtgtgc  accgtgtgta  tccagccatc  agttctgoga  gcagctgtgc
1301  ccaagaatgt  tctgtgtgct  aactggaagg  gaactgtaac  gaactgtaac  cagcaggcga  acgagccgga  tgcgtccgg  cccgaggtga  gctaccacag
1401  cagcaggatg  cctgacagca  cctacactgg  ctcccgctgt  ttggcgcgcc  ttgacgtgta  ttcctctgtg  cacagctcgc  ctcatgttgc  tttgagtcac
1501  ttggatgcac  gctcctacca  tttactggtt  cgggatgtta  gcaaagaaaa  ctctggttac  tattaactgc  acgtgtccct  gtgggcaacc  ggacacaaca
1601  ggagctggca  caaagtggca  gaggccgtgt  ctcccccagc  ttgctgtggg  gtgacgtggc  ctgacgtggc  ctaccaggtg  tactcgaatg  ctcccaaggt
1701  ccccggtgtt  gcggtatgac  ccacagagct  ggaatgcgg  ttggttgaca  cgaagagtgg  ggaggcgaat  gtccgattca  cggtttctgt  gtaactacag
1801  atgaaccggc  gcagcgacc  ttgtgtgac  agcagctgc  ttgcagtcac  ggacggggac  tggacgttaa  aatatggaga  gaggagcaag  cagcggggcc
1901  aggttggaga  cttctatgtt  tctaaaggaa  atacaggaac  ttgctgtgaa  agcaaggatg  ttctctccaa  gcctgttaac  atattttggg  cattagaaga
2001  gtctgctgg  accaaacagc  ggaacaaac  ctgggtgaaa  agcaatgact  gaaatgact  tgagatgact  tgcaaatgat  ttcccaagaa  cttcaagtaa
2101  ttgttgaagg  cagggcagcc  aaagccttcc  tttctgtccc  gcgacgtccc  caatcccaat  gactcccaat  acatcatctc  totgagacc  gattctgtgg
2201  ctgttctcat  catgctgtag  aaagccttcc  ctgacgtccc  ctgttctcat  gaaatgact  gaaatgact  gaaatgact  gaaatgact  gaaatgact
2301  gaattggaca  gatgcacac  ggggtgatgg  cgttctgtta  gaaatgact  gaaatgact  gaaatgact  gaaatgact  gaaatgact  gaaatgact
2401  gggctgtacc  gctcatgtgt  gaacgcctgg  tctctgttca  gggcgagcct  gggcgagcct  gggcgagcct  gggcgagcct  gggcgagcct  gggcgagcct
2501  aaacctcagg  tctcatatgt  aatgctcttc  tgcattcaga  cacaccatca  gtaattcggg  gagatctgat  gagatctgat  gagatctgat  gagatctgat
2601  agcagcactg  gatccagatg  acatggcctt  tgatgtgtcc  tggtttgcgg  tggactcttc  tggactcttc  tggactcttc  tggactcttc  tggactcttc
2701  cggaagggca  tctgtaccac  ctcccgagg  gaactggaag  gactggaaga  cactggaaga  cactggaaga  cactggaaga  cactggaaga  cactggaaga
2801  aggaaccagg  ctttggcaac  tactactgtt  cactactgtt  cactactgtt  cactactgtt  cactactgtt  cactactgtt  cactactgtt  cactactgtt
2901  ttttataact  gtgaagatgg  atgtgtgtga  cgccctcagg  tatcccttgc  tatcccttgc  tatcccttgc  tatcccttgc  tatcccttgc  tatcccttgc
3001  ggttactgca  gctccacatg  gtgtgttaag  aaggaggttc  aaggaggttc  aaggaggttc  aaggaggttc  aaggaggttc  aaggaggttc  aaggaggttc
3101  gtatactcta  gatgcacac  ccgggggaat  cctcgagcgc  tctgtctctg  ctgtctctag  ctgtctctag  ctgtctctag  ctgtctctag  ctgtctctag
3201  tcacaattcc  acacaacata  cgagccggaa  gcataaagt  gtaaaagctg  ggtgcctaat  ggtgcctaat  ggtgcctaat  ggtgcctaat  ggtgcctaat
3301  cgctttccag  tcgggaaacc  tgtcgtgcca  gctgcattaa  tgaactcgcc  gagagcgagg  gagagcgagg  gagagcgagg  gagagcgagg  gagagcgagg
3401  ctactgact  cgctgcgctc  ggtcgttcgg  ctgcggcgag  cgggtatcag  tcactcaaag  gcggtaatac  gcggtaatac  gcggtaatac  gcggtaatac
3501  gaaagaacat  gtgacaaaa  ggccagcaaa  agggcaggaa  ccgtaaaaag  gcgcgcttgc  ttgctcttgc  ttgctcttgc  ttgctcttgc  ttgctcttgc
3601  caaaaatcga  cgctcaagtc  agaggtggcg  gaactataaa  gataccaagg  gataccaagg  gataccaagg  gataccaagg  gataccaagg  gataccaagg
3701  accctgccc  ttaccggata  cctgtccgcc  tttctccctt  cgggaagcgt  ggcgctttct  caatgctcac  caatgctcac  caatgctcac  caatgctcac
3801  ttctgtccaa  gctgggctgt  gtgcacgaac  ccccgcttca  tgcgccttat  tgcgccttat  tgcgccttat  tgcgccttat  tgcgccttat  tgcgccttat
3901  cttatcgcca  ctggcagcag  ccaactgtaa  caggattagc  agagcgagct  atgtaggcgg  atgtaggcgg  atgtaggcgg  atgtaggcgg  atgtaggcgg
4001  actagaagga  cagtatttgg  tatctgcgct  ctgctgaagc  cagttacctt  cggaaaaaga  gttggtagct  gttggtagct  gttggtagct  gttggtagct
4101  gcgggtggtt  ttttgtttgc  aagcagcaga  ttacgcgcag  ttacgcgcag  ttacgcgcag  ttacgcgcag  ttacgcgcag  ttacgcgcag  ttacgcgcag
4201  cgaaaactca  cgttaaggga  ttttgtcat  gagattatca  aaaaaggatc  ttccctagat  ttccctagat  ttccctagat  ttccctagat  ttccctagat
4301  atatatgagt  aaacttggtc  tgacagttac  caatgcttaa  tcaagtggag  accctatctc  accctatctc  accctatctc  accctatctc  accctatctc
4401  ccgtcgtgta  gataactacg  ataccggagg  gcttaccatc  gcttaccatc  gcttaccatc  gcttaccatc  gcttaccatc  gcttaccatc  gcttaccatc
4501  aataaaccag  ccagccggaa  gggccgagcg  cagaagtgg  cctgcaactt  tatccgcctc  tatccgcctc  tatccgcctc  tatccgcctc  tatccgcctc
4601  agttcgcag  ttaatagttt  gcgcaacgtt  gttgccattg  ctacaggcat  cgtggtgtca  cgtggtgtca  cgtggtgtca  cgtggtgtca  cgtggtgtca
4701  aacgatcaag  gcgagttaca  tgatccccc  tgttgtgcaa  aaaagcggtt  agctccttgc  agctccttgc  agctccttgc  agctccttgc  agctccttgc
4801  atcactcatg  gttatggcag  cactgcataa  ttctcttact  gtcctgagtg  ccgtaagatg  ccgtaagatg  ccgtaagatg  ccgtaagatg  ccgtaagatg
4901  gaatagtgt  tgcggcgacc  gagttgctct  tgcccggcgt  caatacggga  taataccgag  taataccgag  taataccgag  taataccgag  taataccgag
5001  gttcttcggg  cgtgaaaact  tcaagatct  taccgctgtt  gagatccagt  tgcagttaac  tgcagttaac  tgcagttaac  tgcagttaac  tgcagttaac
5101  virgdlikif  ciitvegaa  dpddmafavs  wfavhsfgld  kapvllssld  ggcgcaaaaa  aggggaataag  aggggaataag  aggggaataag  aggggaataag
5201  caatattatt  gaagcattta  tcagggttat  tgtctcatga  gcggatacat  atttgaaagt  atttgaaagt  atttgaaagt  atttgaaagt  atttgaaagt
5301  cccgaaaagt  gccacctgac  gtctaagaaa  ccattattat  catgacatta  acctataaaa  ataggcggtat  ataggcggtat  ataggcggtat  ataggcggtat

```

> RDC2639 Translated Insert Sequence

```

1  mgrlasrp11  lallslalcr  grvvrvptat  lrvvvtelc  ipcnsdydg  pseqnfdfws  sslgssfvel  astwevgfpa  glyqerlrg  eillrrtand
101  avelhiknq  psdqghykc  tpstdatvq  nyedtvqkv  ladslhvgps  arpppslsrl  egepfelrct  aasasplhth  lallwevhr  parrsvlalt
201  hegrfhp1g  yeqryhsdv  rldtvgsday  rlsvsrals  dqgsyrcivs  ewiaeggnwq  eiqekaveva  tvviqpsvlr  aavpknvs  egkeldlcn
301  ittdraddv  pevtfwfsr  pdstlpgrs  larldrdsr  hssphvalsh  vdarsyhlly  rdvskensgy  yychvslwap  ghnrswkhv  eavsspagv
401  vtwelepdv  ylnaskvpf  addptelacr  vvdtksgaan  vrftvswyrr  mnrrsdnvv  sellavmdgd  wtlkygersk  qraqdgdfif  shehtdfnf
501  riqrtteedr  gnyycvsw  tkqrnnswk  skdvfskpv  ifwaledsvl  vvkargpkpf  faagntfemt  ckvsskniks  prysvlinae  kpvgd1sspn
601  etkyiislq  dsvvklenw  dasrvdgv  ekvqdefry  rmyqtqvdsa  glyrcmvtav  spvrslwre  aatslsnpie  idfqtsgpif  nasvhsdtp
701  virgdlikif  ciitvegaa  dpddmafavs  wfavhsfgld  kapvllssld  ggcgcaaaaa  aggggaataag  aggggaataag  aggggaataag  aggggaataag
801  sptgswqkea  eihskpvfit  vkmdvlnaf  yplligvls  tvigllscli  gycsshwck  kevqetrerr  rrlmsmemd

```