

Specifications:

Gene:	hGPR75
Accession:	NP_006785
Insert size:	1636bp
Concentration:	10µg at 0.2µg/µL

hGPR75 cDNA Plasmid

GPR75 G protein-coupled receptor 75 [*Homo sapiens*]

Also known as: GPRchr2; WI31133

Summary:

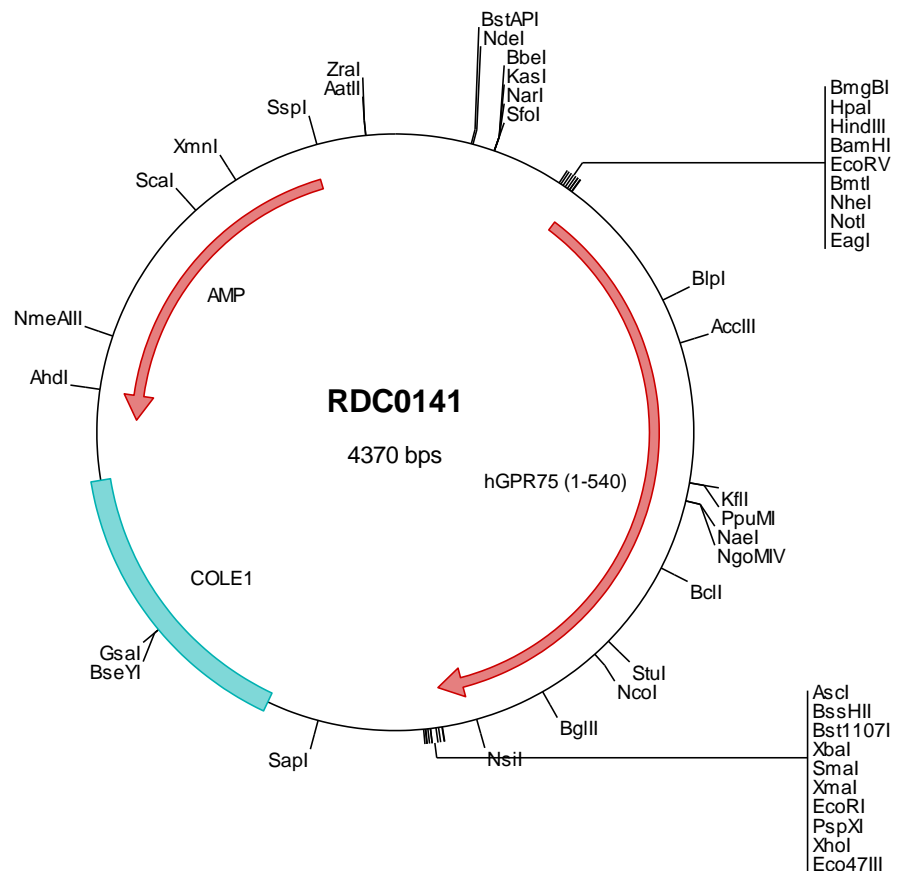
GPR75 is a 7-transmembrane G protein-coupled glycoprotein receptor mainly expressed in retinal pigment epithelial cells, spinal cord, and brain. It has been identified as a receptor for CCL5/RANTES in the brain. The extracellular domains of human GPR75 share 75% amino acid sequence identity with the corresponding regions of mouse and rat GPR75. Polymorphisms in humans have been associated with macular degeneration.

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0141 Plasmid DNA Sequence

1 tcgctggctt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gttgtaataa
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcgac ggtgcgggcc tcttcgctat
301 taagccagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgaaactcaa caggccacct tcaggatgcc cccaatgcca cctcgetcca
501 tgtgctccac tcaacgaaag gaaacagcac ctctctccag gagggtcttc aggatctcat ccacacagcc accttgggtga cctgtacttt tctactggcg
601 gtcattctct gcctgggttc ctatggcaac ttoattgtct tottgtctct ottogaacca gccttcagga aattcagaac caacttggat ttoatgatcc
701 tgaacctgtc cttctgtgac ctcttcattt ttggagtgac agccccatg ttaccctttg tttattcttt cagctcagcc agtagtatcc cggatgcttt
801 ctgcttcaac ttccactcca ccagtccagg ctctcatcaco atgtctctga agacagtggc agtgaatgoc ctgcaccgoc tccggatggg gttggggaaa
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2101 caccggggga attcctcgag cgtctgtctc tagcttggcg taatcatggt catagctggt tctctgtgta aattgttacc cgtccacaat tccacacaac
2201 atacgagccg gaagcataaa gtgtaaagcc tgggggtgct aatgagttag ctaactcaca ttaattgcgt tgcgctcact gcccgctttc cagtccggaa
2301 acctgtcgtg ccagctgcat taatgaatcg gccaacgcgc ggggagaggg gttttcgcta ttgggctctc ttccgcttcc ctgcctcagc cgtctcagc
2401 ctcggtcgtt cggctgcggc gagcgtatc agctcactca aaggcgttaa tacggttacc cacagaatca ggggataacg caggaaagaa catgtgagca
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> RDC0141 Translated Insert Sequence

1 mnstghlqda pnatslhvph sqegnstslq eglqqlihta tlvtctfla vifclgsygn fivflsffdp afrkfrtnfd fmlnlslfcd lficgvtapm
101 ftfvllfssa sspidafcft fhltssgfii mslktvavia lhrlrmlvgk qnrtasfpc tvlltlllwa tsftlatlat lktskshlcl pmsliagkg
201 kailslyvvd ftfcvavsv syimiaqtlr knaqvrkcpv vitvdasrpq pfmgvvpvqg gdpicqampa lyrnqynkl qhvqtrgytk spnqlvtpaa
301 srlqlvsain lstakdskav vtcviiivlsv lvccplplgis lvqvvllsng sfilyqfelf gftliffksg lnpfiysrns aglrrkvlwc lqyiglgffc
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501 qpvnstfgfan syiamhyhnt ndlvqeydst sakqipvpsv