

Specifications:

| | |
|----------------|------------------|
| Gene: | hGPR35A |
| Accession: | NP_005292 |
| Insert size: | 943bp |
| 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

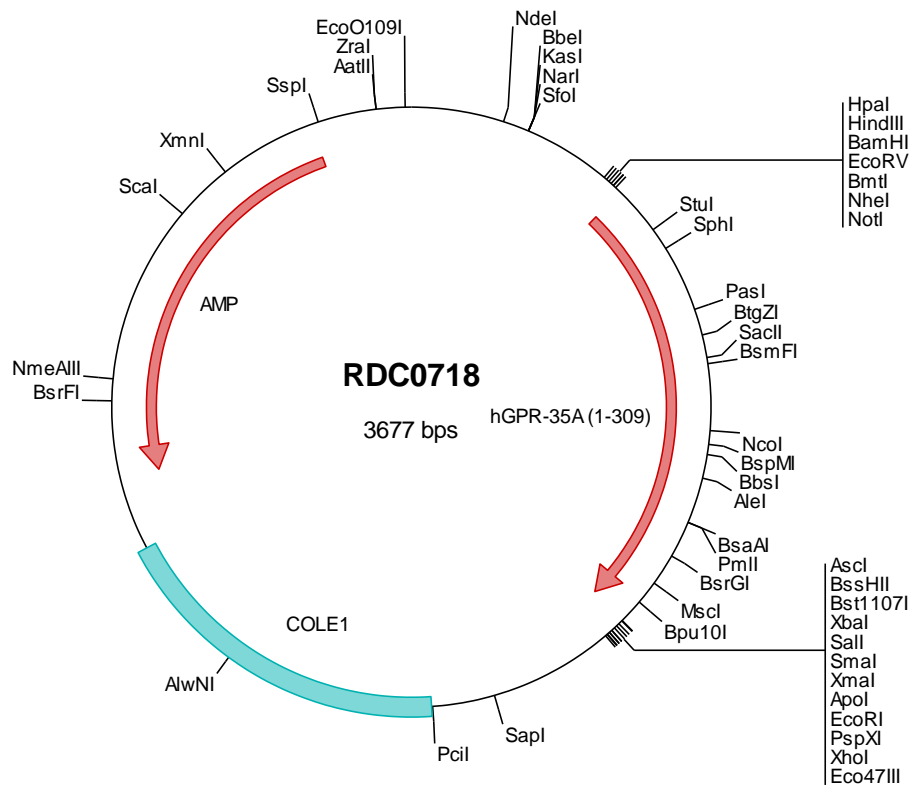
| | |
|-------------|---|
| Formulation | cDNA is provided in 10 mM Tris-Cl, pH 8.5 |
| Shipping | Ships at ambient temperature |
| Stability | 1 year from date of receipt when stored at -20°C to -80°C |
| Storage | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. |

hGPR35A cDNA Plasmid

GPR35 G protein-coupled receptor 35 [*Homo sapiens* (human)]

Summary:

GPR35 acts as a receptor for kynurenic acid, an intermediate in the tryptophan metabolic pathway. It has been implicated as a potential therapeutic target in pain, cancer, metabolic diseases and drug addiction. It has also been indicated to play an important role in immune modulation. The activity of GPR35 is mediated by G proteins that elicit calcium mobilization and inositol phosphate production. GPR35 isoform A, also known as GPR35A, is shorter at the N-terminus, compared to isoform B.





> RDC0718 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301 taaccagctt ggcgaaagg ggaatgtctg caaggcgatt aagtgggta acgcccgggt ttcccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcct ggaaccgata tcgctagcgc ggccgcacc atgaatggca cctacaacac ctgtggctcc agcgacctca cctggccccc
501 agcgatcaag ctgggctctt acgcctactt ggggctcctg ctgggtctag geectgtctt caacacgctg gcgctctggg tgttctgctg ccgcatgcaag
601 cagtggacgg agaccocgat ctaactgacc aaocctggcg ttggcgaact ctgctgtctg tgcaaccttg cctctgtgct gaactccctg cgagacacet
701 cagacacgcc gctgtgcag ctctcccagg gaatctacct gaccaacagg tacatgagca tcagcctggt cacggccatc gccgtggacc gctatgtggc
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901 cgtgtggctc tggggatcca ggaggcggc ttctgtctca ggagcaccgc gcaaatctt aactccatgg cgttcccgt gctgggattc taactgcccc
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1601 tcgggaaacc tgtctgcca gctgcattaa tgaatcggcc aacgcgcggg gagagcgggt ttgctattg ggcctcttc cgtctctctg ctcaactgact
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2401 ttttgttgc aagcagcaga ttacgcgcag aaaaaaagg tctcaagaag atcctttgat cttttctacg gggctctgac ctcagtggaa cgaaaactca
2501 cgtaagggga ttttggctat gagattatca aaaaggatct tcacctagat ccttttaaat taaaaatgaa gttttaaatc aatctaaagt atatatgagt
2601 aaacttggct tgacagttac caatgcttaa tcagtgaggc acctatctca gcatctgtc tatttcgttc atccatagtt gcctgactcc ccgtctgta
2701 gataactacg ataccggagg gcttacatc tggcccaggt gctgcaatga taccgcgaga cccacgctca ccggctccag atttatcagc aataaaccag
2801 ccagccggaa gggccgagcg cagaagtggc ctgcaactt tatccgctc catccagctc ataatgtgt gccgggaagc tagagtaagt agtctgccag
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3501 gaagcattta tcagggttat tgtctcatga gcggatacat atttgaaatg attagaaaa ataaacaaat aggggttccg cgcaatttc ccgaaaaagt
3601 gccactgac gtctaagaaa ccattattat catgacatta acctataaaa ataggcgtat cacgaggccc tttctgc

> RDC0718 Translated Insert Sequence

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101 ymsislvtai avdryvavrh plrarglrsp rqaavcavl wvlvigsiva rlllgiegg fcfrrstrhnf nsmafpllgf ylplavvvc slkvvtalaq
201 rpptdvqgae atrkaarmw anllfvvfc lphvgltvr lavgnacal letirralyi tsklsdanc ldaicyyyma kefqeasala vapsakahks
301 qdslsvtla