

Specifications:

Gene:	hGPR6
Accession:	NP_005275
Insert size:	1102bp
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.

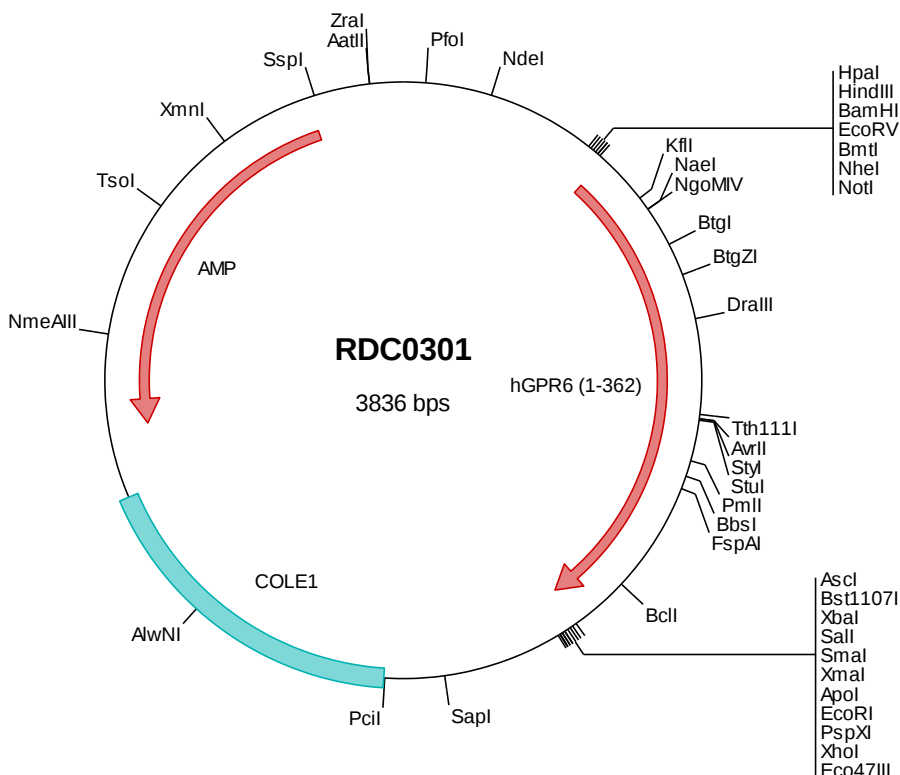
hGPR6 cDNA Plasmid

GPR6 G protein-coupled receptor 6 [*Homo sapiens*]

Also known as: GPR6

Summary:

GPR6 is an orphan receptor with constitutive G(s) signaling activity that activates cyclic AMP. GPR6 is detected in the intracellular compartments. It is currently unclear whether GPR6 is a cell surface or intracellular receptor. GPR6 promotes neurite outgrowth and blocks myelin inhibition in neurons.





> RDC0301 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
101  tcaggggcgc tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtctg caaggcgatt aagtttggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcacac atgaacgcaa gtgcagccto gtcacaacgac tcccagggtg tggtagtggc
501  ggccgaagga gcggcgcgcg cggccacagc agcagggggg cgggacacgg ggcaattggg acccctgtct gcggcggtct taggagcgcg cggcgagct
601  aatgggtctc tggagctgtc ctgcagctg tcggctgggc caccgggact cctgctgcc gcggtgaa cgtgggacgt gtcctgtg gtgtcgggga
701  cagtgtatgc tggagaaaac gcgctgggtg ttggcgtcat cgcgtccact cggcgctgc gcacgcccat gttcgtgtcg gtaggcagcc tggccaccgc
801  tgacctgttg gcgggctgtg gcctcatctt gcactttgtg ttccagtact ttgtgccc ggagactgtg agtcgtgctc cggttgggctt cctgtggcc
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1901 cactcaaaag cggtaatac gttatccaca gaatcagggg ataacgcagg aaagaacatg tgagcaaaa gccagcaaaa ggccaggaac cgtaaaaagg
2001 cgcggttgtc ggcgtttttc cataggtctc gccccctga cgagcatcac aaaaatcgac gctcaagtca gaggtggcga aaccgcagac gactataaag
2101 ataccagcgc tttccctctg gaagctccct cgtgcgctct cctgttccga ccctgcgcct taccggatac ctgtccgcct ttctcccttc gggaagcgtg
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2501 ggaaaaagag ttggtagctc ttgatccggc aaacaaacca ccgctggtag cgggtggttt tttgtttgca agcagcagat tacgcgcaga aaaaaaggat
2601 ctcaagaaga tcctttgata ttttctacgg ggtctgacgc tcagtggaac gaaaactcac gttaagggat tttggtcatg agattatcaa aaaggatctt
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3701 tttgaatgta tttagaaaaa taacaaaaa ggggttccgc gcacatttcc cggaaaagtg ccactgcagc tctaagaaac cattattatc atgacattaa
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> RDC0301 Translated Insert Sequence

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101  palrtpmfvl vgslatadll agcglilhfv fqylvpsetv slttvgflva sfaasvssll aitvdrylsf ynaltpysrr tllgvhlhla atwtvslglg
201  llpvlgwncf aeraacsivr plarshvall saaffmvfgi mlhlyvricq vvrwhahqia lqghclapph laatrkgvgt lavvlgtfga swlpfaiycv
301  vgshepavy tyatllpaty nsminpiiya frnqeiqral wlllccgfcqs kvpfrrsrps ev

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