

Specifications:

Gene:	hGPR153
Accession:	NP_997253
Insert size:	1843bp
Concentration:	10µg at 0.2µg/µL

hGPR153 cDNA Plasmid

GPR153 G protein-coupled receptor 153 [*Homo sapiens* (human)]

Also known as: PGR1

Summary:

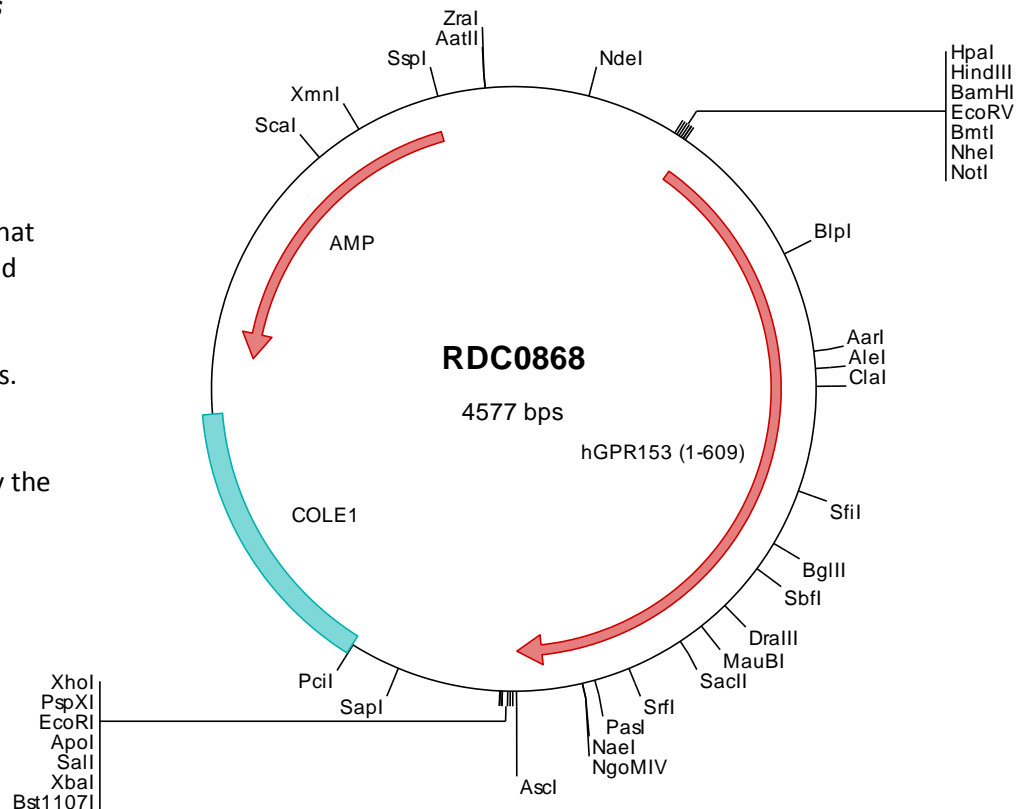
GPR153 is an orphan receptor that belongs to the G protein-coupled receptor 1 family and is highly expressed in the thalamus, cerebellum, and arcuate nucleus. This receptor is a target of cerebellar Gli1, which is a transcription factor activated by the Shh protein and is involved in normal development and tumourigenesis in a variety of tissues.

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



> RDC0868 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tetggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gttgtaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgccc aactgttggg aaggcgatc ggtcgggccc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccagggt ttccagctc acgacgttg aaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcctt ggatccgata tetgtagcgc ggccgccacc atgagtgatg agcggcggct gcctggcagt gcagtgggct ggttggtatg
501 tgggggctc tccctgctgg ccaatgcctg gggaatcctc agcgttggcg ccaagcagaa gaagtggaaag cccttggagt tccctgctgt tacgctcgcg
601 gccacccaca tgctaaaagt ggcogtgcce atogccacct actcctgtgt gcagctgctg cggcagcgcc cogaactcga gtggaatgag ggtctctgca
701 aggttctctg tccacccttc tacaccctca ccoctggccac ctgtttctct gtcacctccc tctcctacca ccgcatgtgg atggtctgct gcctgtcaca
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2401 acacaacata cgagcccggaa gcataaagtg taaagcctgg ggtgcctaat gactgagcta actcaccatta attgctgtgc gctcaactgccc cgtcttccag
2501 tcgggaaacc tgtcgtgcca gctgcattaa tgaatcgccc aacgcgcggg gagagggcgt ttgctgattg ggcctcttc cgtctcctcg ctcaactgact
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4501 gccacctgac gtctaagaaa ccattattat catgacatta acctataaaa atagggctat caccagggccc tttcgtc

> RDC0868 Translated Insert Sequence

1 msderrlpqs avgwlvccgl sllanawgil svgakqkkwk plefllltla athmlnvavp iatysvvqlr rqrpdfewne glckvfvstf ytllatcfs
101 vtslsyhrmw mvcwpvnyrl snakkqavht vmgiwmvsfi lsalpvagwh dtserfythg crfivaeigl fgfvclllv ggsvamgvic taialftla
201 vqvgqraddr aftvptivve daqqkrssi dgsepaktsl qttglvttiv fiydcldmfgp vlvsfsslr adasapwmal cvlwcsvaqa lllpvflwac
301 dryradlkav rekcmalman deesddetsl eggispdlvl ersldygygg dfvaldrmak yeisaleggl pqlyplrplq edkmgylrqp ptrrfshdda
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501 dafalatafec epqalrrppg pfpaapaapd gadpgeapt pssaqrspg rpsahshags lrpplsaswg epggllraagg ggstsrfflss psessgyatl
601 hsdslgsas