

Product datasheet for **RG209673**

GPR63 (NM_030784) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR63 (NM_030784) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GPR63
Synonyms:	PSP24(beta); PSP24B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209673 representing NM_030784 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCTTCTCGGCAGTGTGACTGCGTTCATACCGGGACATCCAACACAACATTTGTCGTGTATGAAA
ACACCTACATGAATATTACACTCCCTCCACCATTCCAGCATCCTGACCTCAGTCCATTGCTTAGATATAG
TTTTGAAACCATGGCTCCACTGGTTTGAGTTCCTTGACCGTGAATAGTACAGCTGTGCCACAACACCA
GCAGCATTAAGAGCCTAACTTGCTCTTCAGATCACCTTTCTGCTATAATGATATTCATTCTGTTTG
TGCTTTTTCTGGGAACCTGGTTGTTTGCCTCATGGTTTACCAAAAAGCTGCCATGAGGTCTGCAATTAA
CATCCTCCTTGCCAGCCTAGCTTTTGCAGACATGTTGCTTGACAGTGTGAACATGCCCTTTGCCCTGGTA
ACTATTCTTACTACCCGATGGATTTTTGGGAAATTCCTTCTGTAGGGTATCTGCTATGTTTTCTGTTAT
TTGTGATAGAAGGAGTAGCCATCCTGCTCATCATTAGCATAGATAGGTTCCCTTATATAGTCCAGAGGCA
GGATAAGCTAAACCCATATAGAGCTAGGGTTCTGATTGCAGTTTCTTGGGCAACTTCCTTTTGTGTAGCT
TTTCTTTAGCCGTAGGAAACCCGACCTGCAGATACCTTCCCGAGCTCCCAGTGTGTGTTGGGTACA
CAACCAATCCAGGCTACCAGGCTTATGTATTTGATTCTCTCATTTCTTCTCATACCTTCTGTT
AATACTGTACTCATTATGGGCATACTCAACACCCTTCGGCACAATGCCTTGAGGATCCATAGTACCCT
GAAGGTATATGCCTCAGCCAGGCCAGCAAACTGGGTCTCATGAGTCTGCAGAGACCTTCCAGATGAGCA
TTGACATGGGCTTTAAAACACGTGCCTTACCACCTATTTGATTCTCTTGTGCTTTCATTGTCTGCTG
GGCCCCATTACCACTTACAGCCTTGTGGCAACATTTCAGTAAGCACTTTTACTATCAGCACAACCTTTTT
GAGATTAGCACCTGGCTACTGTGGCTCTGCTACCTCAAGTCTGCATTGAATCCGCTGATCTACTACTGGA
GGATTAAGAAATTCATGATGCTTGCCTGGACATGATGCCTAAGTCCCTCAAGTTTTTGGCCGAGCTCCC
TGGTCACACAAAGCGACGGATACGTCCTAGTGTCTATGTGTGTTGGGAACATCGGACGGTGGTG

ACGGTACGGCGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG209673 representing NM_030784
 Red=Cloning site Green=Tags(s)

MVFSAVLTAFHTGTSNTTFVYENTYMNITLPPPFQHPDLSPLLRYSFETMAPTGLSSSLTVNSTAVPTTP
 AAFKSLNPLQITLSAIMIFILFVSFLGNLVVCLMVYQKAAMRSAINILLASLAFADMLLAVLNMPFALV
 TILTRWIFGKFFCRVSAMFFWLVFIEGVAILLIISIDRFLIIVQRQDKLNPYRARVLIASVWATSFVCA
 FPLAVGNPDLQIPSRAPQCQVFGYTTNPGYQAYVILISLISFFIPFLVILYSFMGILNLRHNLRIHSYP
 EGICLSQASKLGLMSLQRPFQMSIDMGFKTRAFITLILFAVFIWCWAPFTTYSLVATFSKHFFYQHNF
 EISTWLLWLCYLKLSALNPLIYYWRIKKFHDACLDMMPKSFKFLPQLPGHTKRRIRPSAVYVCGEHRTVV

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_030784

ORF Size: 1257 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_030784.1](#), [NP_110411.1](#)

RefSeq Size: 1892 bp

RefSeq ORF: 1260 bp

Locus ID: 81491

UniProt ID: [Q9BZJ6](#)

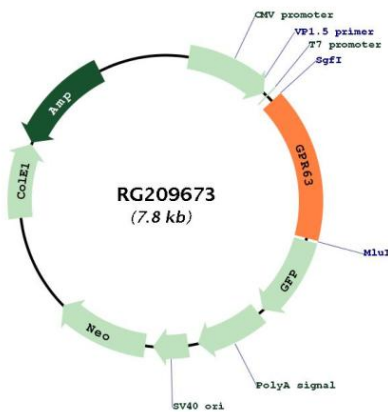
Cytogenetics: 6q16.1

Domains: 7tm_1

Protein Families: Druggable Genome, GPCR, Transmembrane

Gene Summary: This gene encodes a G protein-coupled receptor. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Dec 2011]

Product images:



Circular map for RG209673