

## 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  
TGCTTTTTCTGGGAACCTGGTTGTTGCTCATGGTTTACCAAAAAGCTGCCATGAGGTCTGCAATTAA  
CATCCTCCTTGCCAGCCTAGCTTTTGCAGACATGTTGCTTGCAAGTGTGAACATGCCCTTTGCCCTGGTA  
ACTATTCTTACTACCCGATGGATTTTTGGGAAATTCCTTCTGTAGGGTATCTGCTATGTTTTCTGTTAT  
TTGTGATAGAAGGAGTAGCCATCCTGCTCATCATTAGCATAGATAGGTTCCCTTATATAGTCCAGAGGCA  
GGATAAGCTAAACCCATATAGAGCTAGGTTCTGATTGCAGTTTCTTGGGCAACTTCCTTTTGTGTAGCT  
TTTCTTTAGCCGTAGGAAACCCGACCTGCAGATACCTCCCGAGCTCCCAGTGTGTGTTGGGTACA  
CAACCAATCCAGGCTACCAGGCTTATGTGATTTGATTCTCTCATTTCTTTCTCATACCTTCCTGGT  
AATACTGTACTCATTTATGGGCATACTCAACACCTTCGGCACAATGCCTTGAGGATCCATAGTACCCT  
GAAGGTATATGCCTCAGCCAGGCCAGCAAACTGGGTCTCATGAGTCTGCAGAGACCTTCCAGATGAGCA  
TTGACATGGGCTTTAAAACACGTGCCTTACCACCTATTTGATTCTCTTTGCTGTCTTCATTGTCTGCTG  
GGCCCCATTACCACTTACAGCCTTGTGGCAACATTTCAGTAAGCACTTTTACTATCAGCACAACCTTTTT  
GAGATTAGCACCTGGCTACTGTGGCTCTGCTACCTCAAGTCTGCATTGAATCCGCTGATCTACTACTGGA  
GGATTAAGAAATTCATGATGCTTGCCTGGACATGATGCCTAAGTCCCTCAAGTTTTTGGCCGAGCTCCC  
TGGTCACACAAAGCGACGGATACGTCCTAGTGTCTATGTGTGGGGAACATCGGACGGTGGTG

**ACGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG209673 representing NM\_030784  
 Red=Cloning site Green=Tags(s)

MVFSAVLTAFHTGTSNTTFVYENTYMNITLPPPFQHPDLSPLLRYSFETMAPTGLSSSLTVNSTAVPTTP  
 AAFKSLNPLQITLSAIMIFILFVSFLGNLVVCLMYYQKAAMRSAINILLASLAFADMLLAVLNMPFALV  
 TILTRWIFGKFFCRVSAMFFWLFVIEGVAILLIISIDRFLIIVQRQDKLNPYRARVLIASVWATSFCVA  
 FPLAVGNPDLQIPSRAPQCQVFGYTTNPGYQAYVILISLISFFIPFLVILYSFMGILNLRHNLRIHSYP  
 EGICLSQASKLGLMSLQRPFQMSIDMGFKTRAFITLILFAVFIWCWAPFTTYSLVATFSKHFFYQHNF  
 EISTWLLWLCYLKLSALNPLIYYWRIKKFHDACLDMMPKSFKFLPQLPGHTKRRIRPSAVYVCGEHRVTV

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.

**RefSeq:** [NM\\_030784.1](#), [NP\\_110411.1](#)

**RefSeq Size:** 1892 bp

**RefSeq ORF:** 1260 bp

**Locus ID:** 81491

**UniProt ID:** [Q9BZJ6](#)

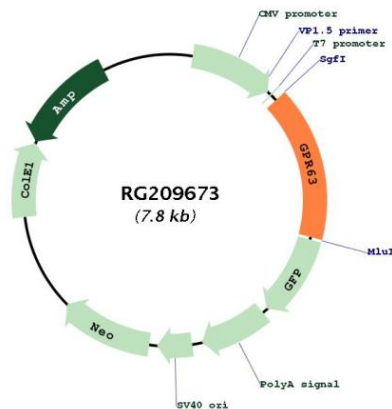
**Cytogenetics:** 6q16.1

**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