

## Product datasheet for **RG200021**

### **GPR89B (NM\_016334) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GPR89B (NM_016334) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GPR89B
Synonyms:	GPHR; GPR89; GPR89C; SH120; UNQ192
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG200021 representing NM\_016334  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTTTCCTCATCGACTCCAGCATCATGATTACCTCCCAGATACTATTTTTGGATTGGGTGGCTTT  
 TCTTCATGCGCCAATTGTTTAAAGACTATGAGATACGTCAGTATGTTGTACAGGTGATCTTCTCCGTGAC  
 GTTTGCATTTTCTGCACCATGTTTGAGCTCATCATCTTTGAAATCTTAGGAGTATTGAATAGCAGCTCC  
 CGTTATTTTCACTGGAAAATGAACCTGTGTGAATTCTGCTGATCCTGGTTTTCATGGTGCCTTTTACA  
 TTGGCTATTTTATTGTGAGCAATATCCGACTACTGCATAAACAACGACTGCTTTTTCTGTCTCTTATG  
 GCTGACCTTTATGATTTCTTCTGGAACTAGGAGATCCCTTTCCATTCTCAGCCAAAACATGGGATC  
 TTATCCATAGAACAGCTCATCAGCCGGTTGGTGTGATTGGAGTGACTCTCATGGCTCTTCTTTCTGGAT  
 TTGGTGTGTCAACTGCCATACACTTACATGTCTTACTTCTCAGGAATGTGACTGACACGGATATTCT  
 AGCCCTGGAACGGCGACTGCTGCAAACCATGGATATGATCATAAGCAAAAAGAAAAGGATGGCAATGGCA  
 CGGAGAACAAATGTTCCAGAAGGGGGAAGTGCATAACAAACCATCAGGTTTCTGGGGAATGATAAAAAGTG  
 TTACCACTTCAGCATCAGGAAGTAAAACTTACTCTTATTCAACAGGAAGTGGATGCTTTGGAAGAATT  
 AAGCAGGCAGCTTTTTCTGGAACAGCTGATCTATATGCTACCAAGGAGAGAATAGAATACTCCAAAACC  
 TTCAAGGGGAAATATTTAATTTCTTGGTTACTTTTTCTCTATTTACTGTGTTTGGAAAATTTTCATGG  
 CTACCATCAATATTGTTTTGATCGAGTTGGGAAAACGGATCCTGTCACAAGAGGCATTGAGATCACTGT  
 GAATTATCTGGGAATCCAATTTGATGTGAAGTTTTGGTCCCAACATTTCTTCATTCTTGTGGGAATA  
 ATCATCGTCACATCCATCAGAGGATTGCTGATCACTCTTACCAAGTTCTTTATGCCATCTTAGCAGTA  
 AGTCCTCCAATGTCATTGCTCTGCTATTAGCACAGATAATGGGCATGTACTTTGTCTCTCTGTGCTGCT  
 GATCCGAATGAGTATGCCTTTAGAATACCGCACCATAATCACTGAAGTCCTTGGAGAAGTGCAGTTCAAC  
 TTCTATACCGTTGGTTTGTGATCTTCTGCTCAGCGCTCTCTTAGCATACTTCTCTCTATTTGG  
 CTCACAAACAGGCACCAGAGAAGCAAATGGCACCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG200021 representing NM\_016334  
 Red=Cloning site Green=Tags(s)

MSFLIDSSIMITSQILFFGFWLFFMRQLFKDYEIRQYVVQVIFSVTFAFSCTMFELIIFEILGVLNSSS  
 RYFHWKMNL CVILLILVFMVPFYIGYFIVSNIRLLHKQRLLFSCLLWLFMYFFWKLGDPPFILSPKHGI  
 LSIEQLSRVGVIGVTL MALLSGFVAVNCPYTYMSYFLRNVTDDILALERRLLQTMDMIISKKKRMAMA  
 RRTMFQKGEVHNKPSGFVWMIKSVTTSASGSENLTLIQQEVDALEELSRQLFLETADLYATKERIEYSKT  
 FKGYFNFLGYFFSIYCVKIFMATINIVFDRVGKTDVTRGIEITVNYLGIQFDVKFWSQHISFILVGI  
 IIVTSIRGLLITLTKFFYAISSKSSNIVLLLAQIMGYFVSSVLLIRMSMPLEYRTIITEVLGELQFN  
 FYHRWFDVIFLVSALSSILFLYLAKQAPEKQMAP

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_016334

**ORF Size:** 1365 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\\_016334.2](#), [NP\\_057418.1](#)

**RefSeq Size:** 1928 bp

**RefSeq ORF:** 1368 bp

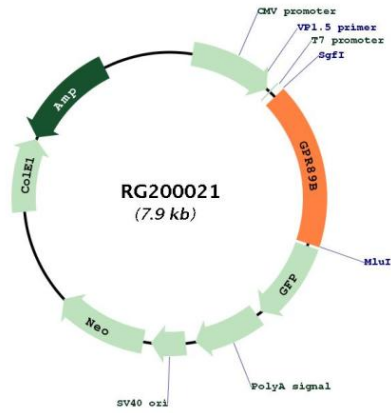
**Locus ID:** 51463

**UniProt ID:** [B7ZAQ6](#)

**Cytogenetics:** 1q21.2

Protein Families: Druggable Genome, GPCR, Transmembrane

Product images:



Circular map for RG200021