

## Product datasheet for **RG207600**

### GPR65 (NM\_003608) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GPR65 (NM_003608) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GPR65
Synonyms:	hTDAG8; TDAG8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207600 representing NM_003608 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAACAGCACATGTATTGAAGAACAGCATGACCTGGATCACTATTTGTTCCATTGTTTACATCTTTG  
TGATTATAGTCAGCATTCCAGCCAATATTGGATCTCTGTGTGTCTTTCCTGCAAGCAAAGAAGGAAAG  
TGAAGTAGGAATTTACCTCTTCAGTTTGTCACTATCAGATTTACTCTATGCATTAACCTCCCTTTATGG  
ATTGATTAACTTGAATAAAGACAACCTGGACTTCTCTCCTGCCTTGTGCAAAGGGAGTGCTTTTCTCA  
TGTACATGAATTTTACAGCAGCACAGCATTCCCTCACCTGCATTGCCGTTGATCGGTATTTGGCTGTTGT  
CTACCTTTGAAGTTTTTTTCCCTAAGGACAAGAAGATTTGCACTCATGGTCAGCCTGTCCATCTGGATA  
TTGGAAACCATCTTCAATGCTGTGATGTTGGGAAGATGAAACAGTTGTTGAATATTGGCATGCCGAAA  
AGTCTAATTTTACTTTATGCTATGACAAATACCTTTAGAGAAATGGCAAATCAACCTCAACTTGTTTCAG  
GACGTGTACAGGCTATGCAATACCTTTGGTCACCATCCTGATCTGCAACCGGAAAGTCTACCAAGCTGTG  
CGGCACAATAAAGCCACGGAAAACAAGGAAAAGAAGAGAAATCATAAACTACTTGTGAGCATCACAGTTA  
CTTTTGTCTTATGCTTTACTCCCTTTTATGTGATGTTGCTGATTCGCTGCATTTTAGAGCATGCTGTGAA  
CTTCGAAGACCACAGCAATCTGGGAAGCGAATTACACAATGTATAGAATCACGGTTGCATTAACAAGT  
TTAAATTTGTTGCTGATCCAATCTGTACTGTTTTGTAACCGAAACAGGAAGATATGATATGTGGAATA  
TATTAATAATTCTGCACTGGGAGGTGTAATACATCACAAGACAAGAAAACGCATACTTTCTGTGTCTAC  
AAAAGATACTATGGAATTAGAGGTCCTTGAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG207600 representing NM\_003608  
 Red=Cloning site Green=Tags(s)

MNSTCIEEQHDLHDHYLFPIVYIFVIIIVSIPANIGSLCVSFLQAKKESELGIYLFSLSLDLLYALTLPLW  
 IDYTWNKDNWTFSPALCKGSAFLMYMNFYSSTAFLTCIAVDRYLAVVYPLKFFFLRTRRFALMVSLSIWI  
 LETIFNAVMLWEDETVVEYCDAEKSNFTLCYDKYPLEKWQINLNLFRCTGYAIPLVTILICNRKVVYQAV  
 RHNKATENKEKRIKLLVSIITVTFVLCFPPFHVMLLIRCILEHAVNFEDHSNSGKRRTYMYRITVALTS  
 LNCVADPILYCFVTETGRYDMWNILKFCTGRCNTSQRQRKRILSVSTKDTMELEVEL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_003608

**ORF Size:** 1011 bp

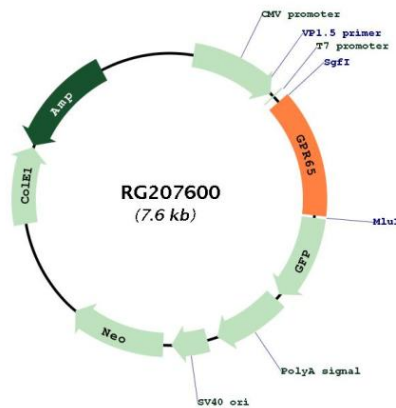
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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:	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
RefSeq:	<a href="#">NM_003608.2</a> , <a href="#">NP_003599.2</a>
RefSeq Size:	1787 bp
RefSeq ORF:	1014 bp
Locus ID:	8477
UniProt ID:	<a href="#">Q8IYL9</a>
Cytogenetics:	14q31.3
Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	Receptor for the glycosphingolipid psychosine (PSY) and several related glycosphingolipids (PubMed:11309421). Plays a role in immune response by maintaining lysosome function and supporting phagocytosis-mediated intracellular bacteria clearance (PubMed:27287411). May have a role in activation-induced cell death or differentiation of T-cells (By similarity). [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RG207600