

## Product datasheet for **SC321749**

### **GPR65 (NM\_003608) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GPR65 (NM_003608) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR65
Synonyms:	hTDAG8; TDAG8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_003608.2  
 TTCTTGACTTGATGCAGGCACAGATTTATCAAGCTCCTCAGTCAACAAACACATCACCGG  
 AAGAAACATGGAAGGAAAGGAATTTTAAAAGGAAATACCAATCTCTGTGCAAACAAAGCC  
 TTGTATATTATGTTTGCACCAATCTACTGTGAGATTTATGAAGAAAAACAAATTGCGGA  
 CAACTCTCTATGTACACTTACAAATGCCTCAGTTGATGCTTGTGGGCTGTTTGTGAGCGT  
 TCTGTGATAATGAACACATGGACTTCTGTTTATTAATTACAGTTGACCCCTTTAGCCAAT  
 TGCCAGGAGCCTGGATTTTTACTTCCAAGTCTGATATCTGTGAAAAATTGATCTACAT  
 CCACCCTTTAAAAGCATTGATGAATTAATTAGAAGTTTAGACAACAAAGAAAAATTGAAA  
 AAGAATTCTCAGTAAAAGCGAATTCGATGTTCAAACAAACTACAAGAGACAAGACTTC  
 TCTGTTTACTTTCTAAGAACTAATAATTGCTACCTTAAAAAGGAAAAAATGAACAGCA  
 CATGTATTGAAGAACAGCATGACCTGGATCACTATTTGTTTCCATTGTTTACATCTTTG  
 TGATTATAGTCAGCATTCCAGCCAATATTGGATCTCTGTGTGTCTTTCCTGCAAGCAA  
 AGAAGGAAAGTGAAGTGAATTTACCTCTCAGTTTGTCACTATCAGATTTACTCTATG  
 CATTAACCTCTCCCTTTATGGATTGATTACTTGAATAAAGACAAGTGGACTTTCTCTC  
 CTGCTTGTGCAAGGGAGTGTCTTCTCATGTACATGAATTTTACAGCAGCACAGCAT  
 TCCTCACCTGCATTGCCGTTGATCGGTATTTGGCTGTTGTCTACCTTTGAAGTTTTTTT  
 TCTAAGGACAAGAAGATTTGCACTCATGGTCAGCCTGTCCATCTGGATATTGGAACCA  
 TCTTCAATGCTGTGATGTTGTGGGAAGATGAAACAGTTGTTGAATATTGCGATGCCGAAA  
 AGTCTAATTTTACTTTATGCTATGACAAATACCTTTAGAGAAATGGCAAATCAACCTCA  
 ACTTGTTCAGGACGTGTACAGGCTATGCAATACCTTTGGTCACCATCTGATCTGCAACC  
 GGAAAGTCTACCAAGCTGTGCGGCACAATAAAGCCACGGAAAAACAAGGAAAAGAAGAA  
 TCATAAACTACTTGTGAGCATCACAGTTACTTTTGTCTTATGCTTTACTCCCTTTCATG  
 TGATGTTGCTGATTCGCTGCATTTTAGAGCATGCTGGAAGTTCGAAGACCACAGCAATT  
 CTGGGAAGCGAAGTACACAATGTATAGAATCACGGTTGCATTAACAAGTTTAAATTTGTG  
 TTGCTGATCCAATTCTGTACTGTTTTGTAAACGAAACAGGAAGATATGATATGTGAATA  
 TATTAATTTCTGCACTGGGAGGTGTAATACATCACAAGACAAGAAAAACGCATACTTT  
 CTGTGTCTACAAAAGATACTATGGAATTAGAGGTCCTTGAGTAGAACCAAGGATGTTTTG  
 AAGGGAAGGGAAGTTAAGTTATGCATTATTATATCATCAAGATTACATTTTGAAAAGGA  
 AATCTAGCATGTGAGGGGACTAAGTGTCTCAGAGTGATGTTTTAATCCAGTCCAATAAA  
 AATATCTTAAACTGCATTGTACAGCTCCCTCCCTGCGTTTTATTAATGATGTATATTA  
 AACAAAGATCAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_003608

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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).

<b>Reconstitution Method:</b>	<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>
<b>RefSeq:</b>	<a href="#">NM_003608.2</a> , <a href="#">NP_003599.2</a>
<b>RefSeq Size:</b>	1787 bp
<b>RefSeq ORF:</b>	1014 bp
<b>Locus ID:</b>	8477
<b>UniProt ID:</b>	<a href="#">Q8IYL9</a>
<b>Cytogenetics:</b>	14q31.3
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Gene Summary:</b>	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]