

## Product datasheet for **SC313197**

### OGR1 (GPR68) (NM\_003485) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	OGR1 (GPR68) (NM_003485) Human Untagged Clone
Tag:	Tag Free
Symbol:	OGR1
Synonyms:	A12A6; GPR12A; OGR1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_003485 edited GATGGCGGTGGAGAGACAGGCCAGTCCCTGAGCCCATGAGGAGTGTGGCCCTTCAGGC CCAAAGATGGGGAACATCACTGCAGACAACCTCTCGATGAGCTGTACCATCGACCATAACC ATCCACCAGACGCTGGCCCCGGTGGTCTATGTTACCGTGCTGGTGGTGGGCTTCCCGGCC AACTGCCTGTCCCTCTACTTCGGCTACCTGCAGATCAAGGCCGGAACGAGCTGGGCGTG TACCTGTGCAACCTGACGGTGGCCGACCTTTCTACATCTGCTCGCTGCCCTTCTGGCTG CAGTACGTGCTGCAGCAGACAACCTGGTCTCACGGCGACCTGTCTGCCAGGTGTGCGGC ATCCTCCTGTACGAGAACATCTACATCAGCGTGGGCTTCTCTGCTGCATCTCCGTGGAC CGCTACCTGGCTGTGGCCATCCCTTCCGCTTCCACCAGTTCCGGACCCTGAAGGCGGCC GTCGGCGTCAGCGTGGTCTATCTGGGCCAAGGAGCTGCTGACCAGCATCTACTTCCCTGATG CACGAGGAGGTCTCGAGGACGAGAACCAGCACCGCGTGTCTTTGAGCACTACCCCATC CAGGCATGGCAGCGGCCATCAACTACTACCGCTTCTGTTGGGCTTCTCTTCCCATC TGCTGCTGCTGGCGTCTACCAGGGCATCCTGCGCGCCGTGCGCCGGAGCCACGGCACC CAGAAGAGCCGCAAGGACCAGATCCAGCGGCTGGTGTCTCAGCACCGTGGTCTTCTCTG GCCTGCTTCTGCCCTACCACGTGTTGCTGCTGGTGGCAGCGTCTGGGAGGCCAGCTGC GACTTCGCCAAGGGCGTTTTCAACGCCTACCACTTCTCCCTCTGCTCACCAGCTTCAAC TGCGTCCGCGACCCCGTGTCTACTGCTTCGTGAGGAGACCACCCACCGGACCTGGCC CGCTCCGCGGGGCTGCCTGGCCTTCTCACCTGCTCCAGGACCGCCGGCCAGGGTGAGGAGCC GAGCTGTTGACCAAGCTCCACCCGGCCTTCCAGACCCCTAACTGCCAGGGTCCGGCGGG TTCCCCACGGGCAGGTTGGCCTAGCCTGGTCTCCGCGGGTGGTCCACGTGAGGCCTG AGCCTTACGCCACGGGCTCAGGGCCTGCCGCTCCTGCTTCCC
Restriction Sites:	Please inquire
ACCN:	NM_003485
Insert Size:	1200 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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_003485.2</a> , <a href="#">NP_003476.2</a>
<b>RefSeq Size:</b>	1523 bp
<b>RefSeq ORF:</b>	1128 bp
<b>Locus ID:</b>	8111
<b>UniProt ID:</b>	<a href="#">Q15743</a>
<b>Cytogenetics:</b>	14q32.11
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a G protein-coupled receptor for sphingosylphosphorylcholine. The encoded protein is a proton-sensing receptor, inactive at pH 7.8 but active at pH 6.8. Mutations in this gene are a cause of amelogenesis imperfecta. [provided by RefSeq, Feb 2017]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 3. Variants 1-3 all encode the same protein. There is an upstream in-frame AUG (uAUG) present; however, translation is thought to begin from the annotated downstream AUG due to inhibition of the uAUG by a small overlapping open reading frame.</p>