

## Product datasheet for **SC303029**

### **GALR1 (NM\_001480) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GALR1 (NM_001480) Human Untagged Clone
Tag:	Tag Free
Symbol:	GALR1
Synonyms:	GALNR; GALNR1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_001480 edited ATGGAGCTGGCGGTCGGGAACCTCAGCGAGGGCAACGCGAGCTGGCCGGAGCCCCCGCC CCGGAGCCCGGGCCGCTGTTTCGGCATCGGCGTGGAGAATTTCGTACAGCTGGTGGTGTTC GGCCTGATCTTCGCGCTGGGCGTGTGGCAACAGCCTAGTGATCACCGTGTGGCGCGC AGCAAGCCGGGCAAGCCGCGGAGCACCACCAACCTGTTTCATCCTCAACCTGAGCATCGCC GACCTGGCTACCTGCTCTTCTGCATCCCCTTCCAGGCCACCGTGTACGCGCTGCCACC TGGGTGTGGGCGCCTTCATCTGCAAGTTCATCCACTACTTCTTACCCTGTCCATGCTG GTGAGCATCTTACCCTGGCCGCGATGTCCGTGGACCGCTACGTGGCCATCGTGCCTCG CGGCGCTCCTCCTCCCTCAGGGTGTCCCGCAACGCGCTGTGGGCGTGGGCTGCATCTGG GCGCTGTCCATTGCCATGGCCTCGCCCGTGGCCTACCACCAGGGCCTCTCCACCCGCGC GCCAGCAACCAGACCTTCTGCTGGGAGCAGTGGCCCGACCCTCGCCACAAGAAGGCTAC GTGGTGTGCACCTTCGTCTTCGGCTACCTGCTGCCGCTCCTGCTCATCTGCTTCTGCTAT GCCAAGGTCTTAATCACTTGCATAAAAAGTTGAAGAATGTCAAGAAGTCTGAAGCA TCCAAGAAAAAGACTGCACAGACAGTTCGGTGGTGGTGTGGTGTGGTGGTGGTGGTGGT CTGCCGACCACATCATCCATCTCTGGGCTGAGTTTGGAGTTTTCCCGCTGACGCCGGCT TCCTTCTCTTTCAGAATCACCGCCACTGCCTGGCGTACAGCAATTCCTCCGTGAATCCT ATCATTATGCATTTCTCTGAAAATTCAGGAAGGCCTATAACAAGTGTTCAGTGT CACATTCGCAAAGATTACACCTGAGTGATACTAAAGAAAATAAAAGTCAATAGACACC CCACCATCAACCAATTGTACTCATGTGTGA
Restriction Sites:	Please inquire
ACCN:	NM_001480
Insert Size:	1000 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>	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001480.2.
<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_001480.2</a> , <a href="#">NP_001471.1</a>
<b>RefSeq Size:</b>	3056 bp
<b>RefSeq ORF:</b>	1050 bp
<b>Locus ID:</b>	2587
<b>UniProt ID:</b>	<a href="#">P47211</a>
<b>Cytogenetics:</b>	18q23
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction
<b>Gene Summary:</b>	The neuropeptide galanin elicits a range of biological effects by interaction with specific G-protein-coupled receptors. Galanin receptors are seven-transmembrane proteins shown to activate a variety of intracellular second-messenger pathways. GALR1 inhibits adenylyl cyclase via a G protein of the Gi/Go family. GALR1 is widely expressed in the brain and spinal cord, as well as in peripheral sites such as the small intestine and heart. [provided by RefSeq, Jul 2008]