

## Product datasheet for RN200661

### Galr2 (NM\_019172) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Galr2 (NM\_019172) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Galr2  
**Synonyms:** GAL2-R; GALR-2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN200661 representing NM\_019172  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGC**C

ATGAATGGCTCCGGCAGCCAGGGCGCGGAGAACACGAGCCAGGAAGGCGGTAGCGGCGGCTGGCAGCCTG  
 AGGCGGTCCTTGTACCCCTATTTTTCGCGCTCATCTTCCTCGTGGGCACCGTGGGCAACGCGCTGGTGT  
 GCGGCTGCTGCTGCGCGCGGCCAGGCGGTGAGCACCACCAACCTGTTTCATCCTCAACCTGGGCGTGGCC  
 GACCTGTGTTTCATCCTGTGCTGCGTGCCTTTCCAGGCCACCCTACACCCTGGACGACTGGGTGTTCC  
 GCTCGTGCTCTGCAAGGCTGTTTCATTTCTCATCTTTCTCACTATGCACGCCAGCAGCTTCACGCTGGC  
 CGCCGTCTCCCTGGACAGGTATCTGGCCATCCGCTACCCGCTGCACTCCCAGAGATTGCGCACACCTCGA  
 AACGCGCTGGCCGCCATCGGGCTCATCTGGGGCTAGCACTGCTCTTCTCCGGGCCCTACCTGAGCTACT  
 ACCGTCAGTCGACGCTGGCCAACTGACAGTATGCCACCCAGCATGGAGCGCACCTCGACGTCGAGCCAT  
 GGACCTCTGCACCTTCGTCTTTAGCTACCTGCTGCCAGTGCTAGTCCTCAGTCTGACCTATGCGCGTACC  
 CTGCGCTACCTCTGGCGCACAGTCGACCCGGTGACTGCAGGCTCAGGTTCCAGCGCGCCAAACGCAAGG  
 TGACACGGATGATCATCATCGTGGCGGTGCTTTTCTGCCTCTGTTGGATGCCCCACCACGCGCTTATCCT  
 CTGCGTGTGGTTTGGTCGCTTCCGCTCACGCGTGCCTTACGCGTTGCGCATCCTTTACACCTAGTT  
 TCCTATGCCAACTCCTGTGTCAACCCATCGTTTACGCTCTGGTCTCCAAGCATTTCCTAAAGGTTTCC  
 GCAAAATCTGCGCGGGCCTGCTGCGCCCTGCCCGAGGCGAGCTTCGGGCGGAGTGAGCATCCTGGCGCC  
 TGGGAACCATAGTGGCAGCATGCTGGAACAGGAATCCACAGACCTGACACAGGTGAGCGAGGCAGCCGGG  
 CCCCTTGTCACCCACCCGCACTTCCAACTGCACAGCCTCGAGTAGAACCTGGATCCGGCTTGT**TAA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII  
**ACCN:** NM\_019172



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<b>Insert Size:</b>	1119 bp
<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>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>	<u>NM_019172.5, NP_062045.1</u>
<b>RefSeq Size:</b>	1422 bp
<b>RefSeq ORF:</b>	1119 bp
<b>Locus ID:</b>	29234
<b>UniProt ID:</b>	<u>O08726</u>
<b>Cytogenetics:</b>	10q32.1
<b>Gene Summary:</b>	mediates inositol phospholipid turnover and intracellular calcium levels; functions through the activation of phospholipase C [RGD, Feb 2006]