

Product datasheet for **MC208521**

Galr2 (NM_010254) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galr2 (NM_010254) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Galr2
Synonyms:	mGalR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208521 representing NM_010254 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATGGCTCGGACAGCCAGGGGGCGGAGGACTCGAGCCAGGAAGGTGGCGCGGCTGGCAGCCCGAGG
CGGTCTCGTACCCCTATTTTTCGCGCTCATCTCCTCGTGGCGCTGTGGCAACGCGCTGGTGTGGC
GGTGTGCTGCGCGGCCAGGCGGTGAGCACCAGAACCTATTCATCCTCAACCTGGGTGTGGCCGAC
CTGTGTTTCATCCTGTGCTGCGTGCCTTTCCAGGCCACCATCTATACCCTGGACGATTGGGTGTTGGCT
CACTGCTCTGCAAGGCCGTTCAATTCCTCATCTCCTCACTATGCACGCCAGCAGCTTCACGCTGGCCGC
TGTCTCGCTGGACAGGTATCTGGCCATCCGCTACCCGCTGCACTCCCGAGAGTTGCGCACACCTCGAAAC
GCGCTGGCGGCCATCGGGCTCATCTGGGGGCTAGCACTGCTCTTCTCCGGGCCCTACCTGAGCTACTACA
GTCAGTCGCAGCTGGCCAATCTGACGGTGTGCCACCCAGCGTGGAGCGCACACGACGTGCGGCCATGGA
CCTCTGCACTTTTGTCTTTAGCTACCTGTTGCCAGTGCTGGTGTGCTCAGCCTGACCTATGCGCGCACCCCTG
CACTACCTCTGGCGCACAGTTGACCCAGTAGCTGACGGCTCAGGTTCCAGCGCGCCAAGCGCAAGGTGA
CACGGATGATCGTCATCGTGGCGGTACTCTTCTGCCTCTGTTGGATGCCCCACCACGCGCTTATCCTCTG
CGTGTGGTTTGGTCGCTTTCCGCTCACGCGTCCACTTACGCCCTGCGCATCCTTTCACATCTAGTATCT
TATGCCAACTCGTGTGCAACCCCATCGTTTATGCTCTGGTCTCCAAGCATTTCGCAAGGTTTCCGCA
AAATCTGCGCGGCCTGCTACGCGTGCCCGAGGAGAGCTTCAGGCCGAGTGTGCATCCTGGCGCCTGG
AAACCATAGTGGTGGCATGCTGGAACCTGAGTCCACAGACCTGACACAGGTGAGCGAGGCAGCCGGGCC
CTCGTCCCGCACCCGCACTTCCAACCTGCACAACCTTGAGTAGAACCTCGATCCAGCCTGT**TAA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII



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ACCN:	NM_010254
Insert Size:	1116 bp
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).
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"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	<u>NM_010254.4</u> , <u>NP_034384.3</u>
RefSeq Size:	1957 bp
RefSeq ORF:	1116 bp
Locus ID:	14428
UniProt ID:	<u>O88854</u>
Cytogenetics:	11 81.1 cM
Gene Summary:	Receptor for the hormone galanin, GALP and spexin-1. The activity of this receptor is mediated by G proteins that activate the phospholipase C/protein kinase C pathway (via G(q)) and that inhibit adenylyl cyclase (via G(i)).[UniProtKB/Swiss-Prot Function]