

## Product datasheet for **MG222720**

### Galr1 (NM\_008082) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Galr1 (NM_008082) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Galr1
Synonyms:	Galnr1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG222720 representing NM_008082 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAAGTGGCTATGGTGAACCTCAGTGAAGGGAATGGGAGCGACCCAGAGCCGCCAGCCCCGGAGTCCA  
GGCCGCTCTTCGGCATTGGCGTGGAGAATTTCATTACGCTGGTAGTGTGGCCTGATTTTCGGGATGGG  
CGTGCTGGGCAACAGCCTGGTGATCACCGTCTGGCGCGCAGCAAACCAGGCAAGCCGCGCAGCACCACC  
AACCTGTTTATCCTCAATCTGAGCATCGCAGACCTGGCCTACCTGCTCTCTGCATCCCTTTTCAGGCCA  
CCGTGTATGCACTGCCACCTGGGTGCTGGGCGCCTTCATCTGCAAGTTTATACACTACTTCTTCACCGT  
GTCCATGCTGGTGGTGGTACCTTACCCTGGCCGCGATGTCTGTGGATCGCTACGTGGCCATTGTGCACTCG  
CGGCGCTCCTCCTCCCTCAGGGTGTCCCGCAACGCACTGCTGGGCGTGGGCTTCATCTGGGCGCTGTCCA  
TCGCCATGGCCTCGCCGGTGGCCTACCACCAGCGTCTTTTCCATCGGGACAGCAACCAGACCTTCTGCTG  
GGAGCAGTGGCCCAACAAGCTCCACAAGAAGGCTTACGTGGTGTGCACTTTCGTCTTTGGGTACCTTCTG  
CCCTTACTGCTCATCTGCTTTTGCTATGCCAAGGTCCTAATCATCTGCATAAAAAGCTGAAAAACATGT  
CAAAAAAGTCTGAAGCATCCAAGAAAAAGACTGCACAGACCGTCTGGTGGTGTGTAGTATTTGGCAT  
ATCCTGGCTGCCCATCATGTGCTCCACCTCTGGGCTGAGTTGGAGCCTTCCACTGACGCCAGCTTCC  
TTCTTCTCAGAAACTTCCGGAAGGCGTACAAGCAAGTGTCAAGTGTATGTTTGGCGATGAATCTCCAGC  
TTCCTCAGAAACTTCCGGAAGGCGTACAAGCAAGTGTCAAGTGTATGTTTGGCGATGAATCTCCAGC  
CAGTGAAACTAAGAAAAAAGACCGGATGGACACCCCGCCATCCACCAACTGCACCCACGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG222720 representing NM\_008082  
 Red=Cloning site Green=Tags(s)

MELAMVNLSENGSDPEPPAPESRPLFGIGVENFITLVVFGILIFAMGVLGNSLVITVLARSKPGKPRSTT  
 NLFILNLSIADLAYLLFCIPFQATVYALPTWVLGAFICKFIHYFFTVSMLVSIFTLAAMSVDRYVAIVHS  
 RRSSSLRVSRNALLGVGFIWALSAMASPVAYHQRLFHRDSNQTFCEWQWPNKLHKKAYVCTFVFGYLL  
 PLLLLICFCYAKVLNHLHKKLKNMSKKSEASKKTAQTVLVVVVVFGISWLPHHVVHLWAEFGAFPLTPAS  
 FFFRITAHCLAYSNSVNPPIIYAFLSEFRKAYKQVFKCHVCDESPRSETKENKSRMDTPPSTNCTHV

TRTRPLE - GFP Tag - V

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2330\\_f02.zip](https://cdn.origene.com/chromatograms/ja2330_f02.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_008082

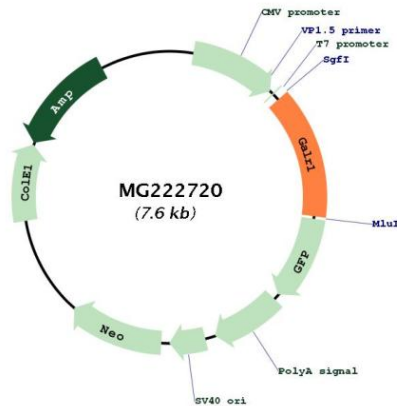
**ORF Size:** 1044 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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><a href="#">NM_008082.2</a></u> , <u><a href="#">NP_032108.1</a></u>
<b>RefSeq Size:</b>	2871 bp
<b>RefSeq ORF:</b>	1047 bp
<b>Locus ID:</b>	14427
<b>UniProt ID:</b>	<u><a href="#">P56479</a></u>
<b>Cytogenetics:</b>	18 55.78 cM
<b>Gene Summary:</b>	Receptor for the hormone galanin. The activity of this receptor is mediated by G proteins that inhibit adenylate cyclase activity.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG222720