

Product datasheet for **RG220196**

GALR3 (NM_003614) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: GALR3 (NM_003614) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: GALR3
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG220196 representing NM_003614
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGATGCCAGAACATTTCACTGGACAGCCAGGGAGTGTGGGGCCGTGGCAGTGCCTGTGGTCT
 TTGCCCTAATCTTCTGCTGGGCACAGTGGGCAATGGGCTGGTGTGGCAGTGCCTCTGCAGCCTGGCC
 GAGTGCCTGGCAGGAGCCTGGCAGCACCACGGACCTGTTTCATCCTCAACCTGGCGGTGGCTGACCTCTGC
 TTCATCCTGTGCTGCGTGCCTTCCAGGCCACCATCTACACGCTGGATGCCTGGCTCTTTGGGGCCCTCG
 TCTGCAAGGCCGTGCACCTGCTCATCTACCTACCATGTACGCCAGCAGTTTACGCTGGCTGCTGTCTC
 CGTGGACAGGTACCTGGCCGTGCGGCACCCGCTGCGCTCGCGCGCCCTGCGCACGCCGCGTAACGCCCGC
 GCCGAGTGGGGCTGGTGTGGCTGCTGGCGCGCTCTTCTCGGCCCTACCTCAGCTACTACGGCACCG
 TGCGCTACGGCGCGCTGGAGCTCTGCGTGCCCGCTGGGAGGACGCGCGCCGCCGCGCCCTGGACGTGGC
 CACCTTCTGCTGCCGGCTACCTGCTGCCCCGTGGCTGTGGTGGAGCCTGGCCTACGGGCGCACGCTGCGCTT
 CTGTGGGGCCCGTGGTCCCAGGGCGCGGGCGGCCGAGGCGCGGGAGGGCGACGGGCCCGCGCGG
 GCGCGCCATGCTGGCGGTGGCCGCGCTCTACGCGCTCTGCTGGGGTCCGCACCACGCGCTCATCTGTG
 CTTCTGGTACGGCCGCTTCGCTTACGCCGGCCACCTACGCTGCGCCCTGGCCTCACACTGCCTGGCC
 TACGCAACTCCTGCCTCAACCCGCTCGTCTACGCGCTCGCTCGCGCCACTTCCGCGCGGCTTCCGCC
 GCCTGTGGCCGTGCGGCCGCCGACGCCGCCACCGTGCCCGCCGCGCTTGGCTCGCGTCCGCCCCCGCTC
 CTGGGGCCACCCGGCTGCCCGGAGACGCCCGCCCTAGCGGGAGGCTGCTGGCTGGTGGCGGCCAGGGC
 CCGGAGCCAGGGAGGGACCCGTCACGGCGGAGAGGCTGCCCGAGGACCGGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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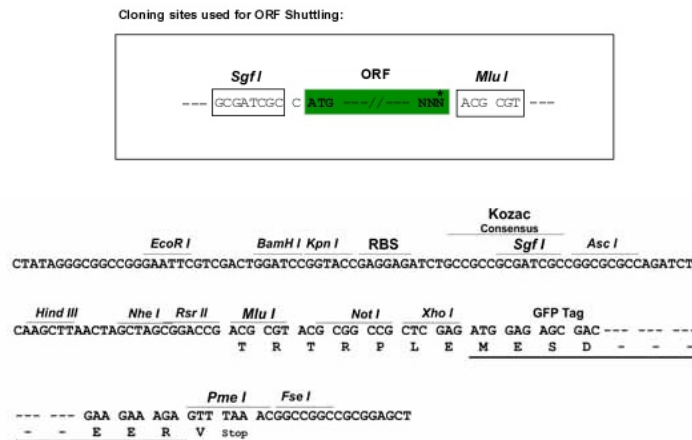
Protein Sequence: >RG220196 representing NM_003614
 Red=Cloning site Green=Tags(s)

MADAQNISLDSPGSVGAVAVPVVFALIFLLGTVGNGLVLAVLLQPGPSAWQEPGSTTDLFILNLAVADLC
 FILCCVPFQATIYTLDAWLF GALVCKAVHLLIYLTMYASSFTLA AVSVDRYLAVRHPLRSRALRTPRNAR
 AAVGLVWLLAALFSAPYLSYYGTVRYGALELCVPAWEDARRRALDVATFAAGYLLPVAVVSLAYGRTLRF
 LWAAVGPAGAAAAEARRRATGRAGRAMLAVAALYALCWGPHHALILCFWYGRFAFSPATYACRLASHCLA
 YANSCLNPLVYALASRHFRRFRRLWPCGRRRRHRARRALRRVRP ASSGPPGCPGDARPSGRLLAGGGQG
 PEPREGPVHGGEAARGPE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003614

ORF Size: 1104 bp

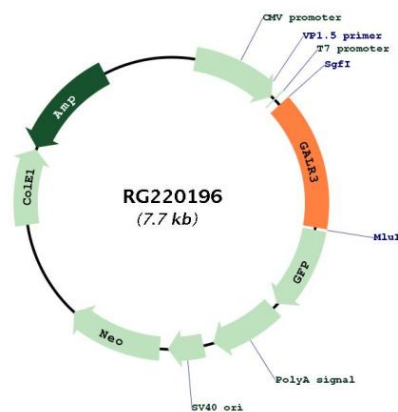
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially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

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	NM_003614.2
RefSeq Size:	1157 bp
RefSeq ORF:	1107 bp
Locus ID:	8484
UniProt ID:	O60755
Cytogenetics:	22q13.1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	The neuropeptide galanin modulates a variety of physiologic processes including cognition/memory, sensory/pain processing, hormone secretion, and feeding behavior. The human galanin receptors are G protein-coupled receptors that functionally couple to their intracellular effector through distinct signaling pathways. GALR3 is found in many tissues and may be expressed as 1.4-, 2.4-, and 5-kb transcripts [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG220196