

Product datasheet for RC220196L1

GALR3 (NM_003614) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: GALR3 (NM_003614) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: GALR3

Mammalian Cell None

Selection:

Vector: pLenti-C-Myc-DDK (PS100064)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide

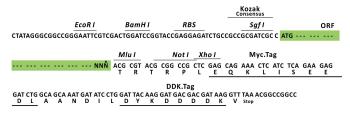
The ORF insert of this clone is exactly the same as(RC220196).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_003614 **ORF Size:** 1104 bp



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GALR3 (NM_003614) Human Tagged Lenti ORF Clone - RC220196L1

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: 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 003614.1, NP 003605.1</u>

RefSeq Size: 1157 bp
RefSeq ORF: 1107 bp
Locus ID: 8484

 UniProt ID:
 060755

 Cytogenetics:
 22q13.1

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

MW: 39.4 kDa

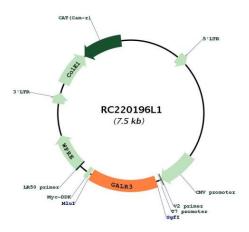
Gene Summary: The neuropeptide galanin modulates a variety of physiologic processes including

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

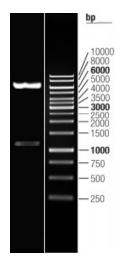
may be expressed as 1.4-, 2.4-, and 5-kb transcripts [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC220196L1



Double digestion of RC220196L1 using Sgfl and Mlul