

Product datasheet for MG225539

Gabrg2 (NM_008073) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Gabrg2 (NM_008073) Mouse Tagged ORF Clone

Tag: TurboGFP

Symbol: Gabrg2

Synonyms: GABAA-R; Gabrg-2; gamma2

Mammalian Cell Neomycin

Selection:

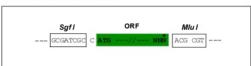
Vector: pCMV6-AC-GFP (PS100010)

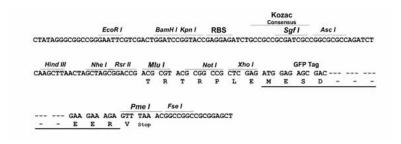
E. coli Selection: Ampicillin (100 ug/mL)

Restriction Sites: Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:





ACCN: NM_008073

ORF Size: 3932 bp



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Gabrg2 (NM_008073) Mouse Tagged ORF Clone - MG225539

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.

11 24.8 cM

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 008073.4</u>

 RefSeq ORF:
 1425 bp

 Locus ID:
 14406

 UniProt ID:
 P22723

Cytogenetics:

Gene Summary: This gene encodes a gamma-aminobutyric acid (GABA)-A receptor subunit, which is a member

of the ligand-gated ion channel family. GABA is the major inhibitory neurotransmitter in the

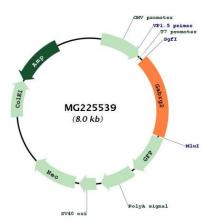
adult central nervous system, and conversely exhibits an excitatory function during

development. GABA-A receptors are pentameric, consisting of proteins from several subunit classes: alpha, beta, gamma, delta and rho. This gene encodes one of three gamma subunits in mammals, which contain the binding site for benzodiazepine drugs. Several mutations in this gene are associated with epileptic seizures, and genetic knockdown is associated with anxiety behavior. Alternative splicing results in multiple transcript variants. [provided by

RefSeq, Jan 2013]



Product images:



Circular map for MG225539