

Product datasheet for **RG218961**

GABARAP (NM_007278) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GABARAP (NM_007278) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: GABARAP
Synonyms: ATG8A; GABARAP-a; MM46
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG218961 representing NM_007278
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGTTCGTGTACAAAGAAGAGCATCCGTTTCGAGAAGCGCCGCTCTGAGGGCGAGAAGATCCGAAAGA
AATACCCGGACCGGGTCCCGGTGATAGTAGAAAAGGCTCCCAAAGCTCGGATAGGAGACCTGGACAAAA
GAAATACCTGGTGCCTTCTGATCTCACAGTTGGTCAGTTCTACTTCTTGATCCGGAAGCGAATTCATCTC
CGAGCTGAGGATGCCTTGTCTTTCTTTGTCAACAATGTCATTCCACCCACAGTGCCACAATGGGTCAGC
TGTACCAGGAACACCATGAAGAAGACTTCTTTCTACATTGCCTACAGTGACGAAAGTGCTACGGTCT
G

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG218961 representing NM_007278
Red=Cloning site Green=Tags(s)
MKFVYKEEHPFEKRRSEGEKIRKKYPDRVPVIVEKAPKARIGDLDKKKYLVPSDLTVGQFYFLIRKRIHL
RAEDALFFVNNVIPPTSATMGQLYQEHHEEDFFLYIAYSDESYYGL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_007278

ORF Size: 351 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:

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.

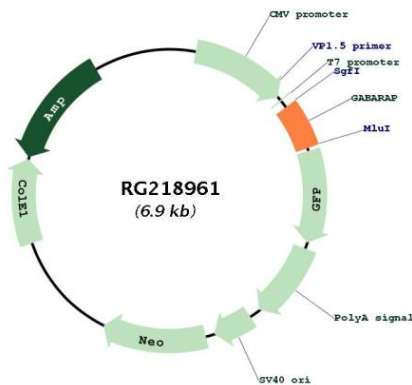
RefSeq: [NM_007278.2](#)

RefSeq Size: 924 bp

RefSeq ORF: 354 bp

Locus ID: 11337
UniProt ID: [O95166](#)
Cytogenetics: 17p13.1
Domains: MAP1_LC3
Protein Families: Druggable Genome
Protein Pathways: Regulation of autophagy
Gene Summary: Gamma-aminobutyric acid A receptors [GABA(A) receptors] are ligand-gated chloride channels that mediate inhibitory neurotransmission. This gene encodes GABA(A) receptor-associated protein, which is highly positively charged in its N-terminus and shares sequence similarity with light chain-3 of microtubule-associated proteins 1A and 1B. This protein clusters neurotransmitter receptors by mediating interaction with the cytoskeleton. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG218961