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GABARAPL2 cDNA

Catalog Number: ATGD0253

PRODUCT INFORMATION

Catalog number
ATGD0253

Product type
cDNA

Species
Human

NCBI Accession No.
NP_009216.1

Alternative Names
Gamma-aminobutyric acid receptor-associated protein-like 2, GABA(A) receptor-associated protein-like 2, ATG8, ATG8C, GATE-16, GATE16, GEF2, FLC3A

mRNA Refseq
NM_007285.6

OMIM
607452

Chromosome location
16q22.1

PRODUCT SPECIFICATION

Formulation
Lyophilized

Storage
Store the plasmid at -20C.

cDNA Size
354bp

Preparation before usage
1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
Each tube contains approximately 10ug of lyophilized plasmid.

Vector description
This shuttle vector contains the complete ORF. It is inseted Nde I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector
pATGen (puc19-derived cloning vector)

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General Description

Ubiquitin-like modifier involved in intra-Golgi traffic. Modulates intra-Golgi transport through coupling between NSF activity and SNAREs activation. It first stimulates the ATPase activity of NSF which in turn stimulates the association with GOSR1 (By similarity). Involved in autophagy. Plays a role in mitophagy which contributes to regulate mitochondrial quantity and quality by eliminating the mitochondria to a basal level to fulfill cellular energy requirements and preventing excess ROS production. Whereas LC3s are involved in elongation of the phagophore membrane, the GABARAP/GATE-16 subfamily is essential for a later stage in autophagosome maturation

DATA

Sequence nucleotides

ATGAAGTGGATGTTCAAGGAGGACCACTCGCTGGAACACAGATGCGTGGAGTCCGCGAAGATTCGAGCGAAATATCCCGA
CAGGGTTCCGGTGATTGTGGAAAAGGTCTCAGGCTCTCAGATTGTTGACATTGACAAACGGAAGTACTTGGTTCCATCTGAT
ATCACTGTGGCTCAGTTCATGTGGATCATCAGGAAAAGGATCCAGCTTCCTTCTGAAAAGGCGATCTTCCTGTTTGTGGATA
AGACAGTCCCACAGTCCAGCCTAACTATGGGACAGCTTTACGAGAAGGAAAAAGATGAAGATGGATTCTTATATGTGGCCTA
CAGCGGAGAGAACACTTTTGGCTTCTGA

Transaction Sequence

MKWMFKEDHS LEHRCVESAK IRAKYPDRVP VIVEKVSGSQ IVDIDKRKYL VPSDITVAQFMWIIRKRIQL PSEKAIFLFV
DKTVPQSSLT MGQLYEKEKD EDGFLYVAYS GENTFGF