

Recombinant human GABARAPL1 protein

Catalog Number: ATGP0832

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-117aa

UniProt No.

Q9H0R8

NCBI Accession No.

NP_113600.1

Alternative Names

gamma-aminobutyric acid receptor-associated protein-like 1, APG8-LIKE, APG8L, ATG8, ATG8B, ATG8L, GEC1

PRODUCT SPECIFICATION

Molecular Weight

16.2 kDa (137aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl.

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Gamma-aminobutyric acid (GABA) receptor-associated protein-like 1, also known as GABARAPL1, belongs to the MAP1 LC3 family. It increases cell surface expression of kappa type opioid receptor through facilitating anterograde intracellular trafficking of the receptor. Recombinant human GABARAPL1 protein was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH> MKFQYKEDHP FEYRKKEGK IRKKYPDRVP VIVEKAPKAR VPDLDKRYL

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VPSDLTVGQF YFLIRKRIHL RPEDALFFFV NNTIPPTSAT MGQLYEDNHE EDYFLYVAYS DESVYGK

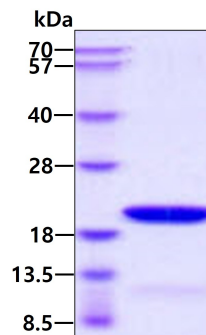
General References

Cherubini E., et al. (1991) Trends Neurosci. 14(12):515-9.

Wang H., et al. (1999) Nature. 397(6714):69-72.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.