

# Recombinant human GABARAPL1 protein

Catalog Number: ATGP0832

## PRODUCT INFORMATION

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### 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

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### 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

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### 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 VPDLDKRKYL

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VPSDLTVGQF YFLIRKRIHL RPEDALFFFV NNTIPPTSAT MGQLYEDNHE EDYFLYVAYS DESVYGK

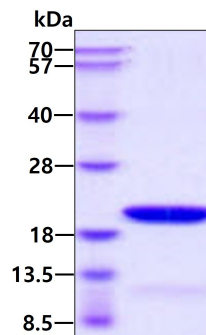
## General References

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.