

Recombinant human GATE-16 protein

Catalog Number: ATGP0885

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-117aa

UniProt No.

P60520

NCBI Accession No.

NP_009216

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

15.8 kDa (137aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 5mM DTT, 20% glycerol

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

GABARAPL2, also known as ATG8, is involved in intra Golgi traffic and modulates intra Golgi transport through coupling between NSF activity and SNAREs activation. GABARAPL2 first stimulates the ATPase activity of NSF which in turn stimulates the association with GOSR1. Recombinant human GABARAPL2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MKWMFKEDHS LEHRCVESAK IRAKYPDRV VIVEKVSGSQ IVDIDKRKYL
VPSDITVAQF MWIIRKRIQL PSEKAIFLFV DKTVPQSSLT MGQLYEKEKD EDGFLYVAYS GENTFGF

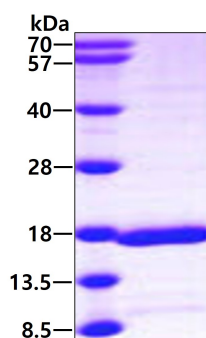
General References

Behrends C., et al. (2010) Nature. 466(7302):68-76.

Sengupta A., et al. (2009) J Biol Chem. 284(41):28319-31.

DATA

SDS-PAGE



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