

Recombinant human GABARAP protein

Catalog Number: ATGP0465

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-117aa

UniProt No.

O95166

NCBI Accession No.

NP_009209

Alternative Names

Gamma-aminobutyric acid receptor-associated protein, MM46, Gamma-aminobutyric acid receptor-associated protein FLC 3B, FLC3B, FLJ25768, GABA(A) receptor associated protein, Gamma aminobutyric acid receptor associated protein, MGC120154, MGC120155, MM 46, MM46.

PRODUCT SPECIFICATION

Molecular Weight

16 kDa (137aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 95% 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

GABARAP, also known as gamma-aminobutyric acid receptor-associated protein, 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. Recombinant GABARAP protein was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

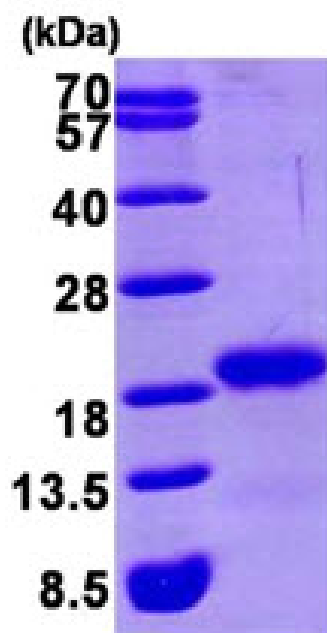
MGSSHHHHHHH SSGLVPRGSH MKFVYKEEHP FEKRRSEGEK IRKKYPDRVP VIVEKAPKAR IGDLDKYYL VPSDLTVGQF
YFLIRKRIHL RAEDALFFV NNVIPPTSAT MGQLYQEHHE EDFFLYIAYS DESVYGL

General References

Stangler T., et al. (2002) J Biol Chem. 277(16):13363-6.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)