# **PRODUCT INFORMATION**

**Expression system** E.coli

**Domain** 1-117aa

**UniProt No.** 095166

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.



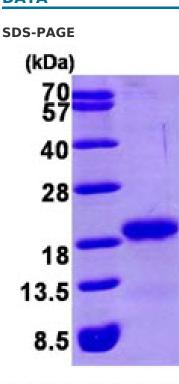
## **Amino acid Sequence**

MGSSHHHHHH SSGLVPRGSH MKFVYKEEHP FEKRRSEGEK IRKKYPDRVP VIVEKAPKAR IGDLDKKKYL VPSDLTVGQF YFLIRKRIHL RAEDALFFFV NNVIPPTSAT MGQLYQEHHE EDFFLYIAYS DESVYGL

## **General References**

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

# DATA



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

# 15% SDS-PAGE (3ug)