

Recombinant human SNAPIN protein

Catalog Number: SNA0901

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-136aa

UniProt No.

O95295

NCBI Accession No.

NP_036569

Alternative Names

SNARE-associated protein Snapin, SNAP associated protein, Synaptosomal-associated protein 25-binding protein, SNAP25BP, SNAPAP, Biogenesis of lysosomal organelles complex-1 subunit 7, BLOC1S7, BORCS3, BLOC-1 related complex subunit 3, SNAP-25-binding protein

PRODUCT SPECIFICATION

Molecular Weight

17 kDa (156aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 5mM DTT, 2mM EDTA, 0.2 M NaCl2, 40% 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

SNAPAP (SNAP associated protein) was enriched in neurons and exclusively located on synaptic vesicle membrane protein. SNAPAP is an important component of the neurotransmitter release process through its modulation of the sequential interactions between the SNAREs and synaptotagmin, which is a component of the SNARE complex that is required for synaptic vesicle docking and fusion. Recombinant human SNAPAP protein,

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fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

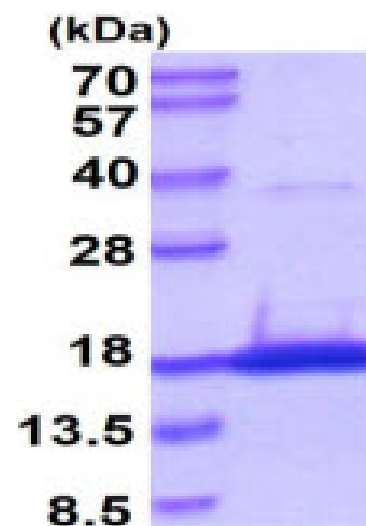
MGSSHHHHHH SGLVPRGSH MAGAGSAAVS GAGTPVAGPT GRDLFAEGLL EFLRPAVQQL DSHVHAVRES QVELREQIDN
LATELCRINE DQKVALDLDP YVKLLNARR RVVLVNNILQ NAQERLRRLN HSAKETARR RAMLDGIYP PGSPGK

General References

Ilardi JM., et al. (1999). Nat Neurosci. 2(2):119-124
Chheda MG., et al. (2001). Nat Cell Biol. 3(4):331-8

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)