

Recombinant human LIN-7B protein

Catalog Number: ATGP1825

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-207aa

UniProt No.

Q9HAP6

NCBI Accession No.

NP_071448

Alternative Names

Protein lin-7 homolog B, LIN-7B, MALS-2, MALS2, VELI2, Mammalian lin-seven protein 2, Vertebrate lin-7 homolog 2

PRODUCT SPECIFICATION

Molecular Weight

25.3 kDa (230aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT

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

LIN7B, also known as VELI2, belongs to the Velis family. Velis are a family of small synaptic proteins that interact with other proteins at the post-synaptic density (PSD) of neuronal synapses. Velis contain the PDZ motif involved in recruiting cell adhesion molecules, receptors, and channels. Lin7B is ubiquitously expressed with high expression in brain, liver, and testis. It localized at the synaptic junctions in neurons. Lin7B bind to CASK, a neurexin-binding protein highly concentrated in synapses, and Mint1, a binding partner with a vesicle trafficking

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protein. Recombinant human LIN7B protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHHH SGLVPRGSH MGSMAALVEP LGLERDVSRA VELLERLQRS GELPPQKLQA LQRVLQSRFC SAIREVYEQL
YDTLDITGSA EIRAHATAKA TVAAFTASEG HAHPRVVLP KTDEGLGFNI MGGKEQNSPI YISRVIPGGV ADRHGGLKRG
DQLLSVNGVS VEGEQHEKAV ELLKAAQGSV KLVVRYTPRV LEEMEARFEK MRSARRRQQH QSYSSLESRG

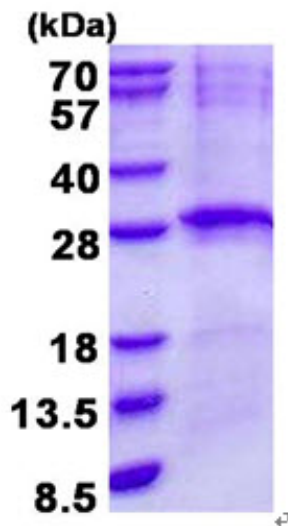
General References

Okamoto M., et al. (1997) J Biol Chem. 272:31459-31464-293

Irie M., et al. (1999) Oncogene. 18:2811-2817.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)