

Recombinant Human lin-7 homolog B (C. elegans), His-tagged

Cat. No. LIN7B-386H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LIN7B, 1-207aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-207 a.a.
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 neuroligin-binding protein highly concentrated in synapses, and Mint1, a binding partner with a vesicle trafficking protein. Recombinant human LIN7B protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT
Molecular Mass	25.3 kDa (230aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMALVEP LGLERDVSRA VELLERLQRS GELPPQKLQA LQRLVLSRFC SAIREVYEQL YDTLDITGSA EIRAHATAKA

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TVAaftaseg HAhPRVVeLP KTDEGLGFNI MGGKEQNSPI YISRVIPGGV
ADRHGGLKRG DQLLSVNGVS VEGEQHEKAV ELLKAAQGSV KLVVRYTPRV
LEEMEARFEK MRSARRRQQH QSYSSLESRG

Purity >90% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name LIN7B lin-7 homolog B (C. elegans) [Homo sapiens]

Official Symbol LIN7B

Synonyms LIN7B; lin-7 homolog B (C. elegans); protein lin-7 homolog B; LIN 7B; MALS 2; VELI2; hLin7B; hVeli2; veli-2; vertebrate lin-7 homolog 2; mammalian lin-seven protein 2; MALS2; LIN-7B; MALS-2;

Gene ID 64130

mRNA Refseq NM_022165

Protein Refseq NP_071448

MIM 612331

UniProt ID Q9HAP6

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Chromosome Location	19q13.3
Function	protein domain specific binding;