

Recombinant Human LIN7B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LIN7B-4223H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LIN7B MS Standard C13 and N15-labeled recombinant protein (NP_071448) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Plays a role in establishing and maintaining the asymmetric distribution of channels and receptors at the plasma membrane of polarized cells. Forms membrane-associated multiprotein complexes that may regulate delivery and recycling of proteins to the correct membrane domains. The tripartite complex composed of LIN7 (LIN7A, LIN7B or LIN7C), CASK and APBA1 may have the potential to couple synaptic vesicle exocytosis to cell adhesion in brain. Ensures the proper localization of GRIN2B (subunit 2B of the NMDA receptor) to neuronal postsynaptic density and may function in localizing synaptic vesicles at synapses where it is recruited by beta-catenin and cadherin. Required to localize Kir2 channels, GABA transporter (SLC6A12) and EGFR/ERBB1, ERBB2, ERBB3 and ERBB4 to the basolateral membrane of epithelial cells. May increase the amplitude of ASIC3 acid-evoked currents by stabilizing the channel at the cell surface.
Molecular Mass	22.9 kDa
AA Sequence	MAALVEPLGLERDVSRVAVELLERLQRSSELPPQKLQALQRVLQSRFCSAIREVYEQL

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YDTLDITGSAEIRAHATAKATVAAFTASEGHAHPRVVELPKTDEGLGFNIMGGKEQN
 SPIYISRVIPGGVADRHGGLKRGDQLLSVNGVSVEGEQHEKAVELLKAAQGSVKLVV
 RYTPRVLEEMEARFEKMRSARRRQQHQSYSSLESRGTRTRPLEQKLISEEDLAAND
 ILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name LIN7B lin-7 homolog B, crumbs cell polarity complex component [Homo sapiens (human)]

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

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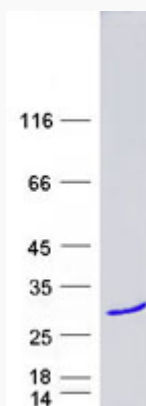
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Protein Refseq NP_071448

MIM 612331

UniProt ID Q9HAP6

SDS-PAGE



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