

Recombinant Human Lin-7 Homolog A (*C. elegans*), His-tagged

Cat. No. LIN7A-7189H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Lin7A protein, fused to His-tag at N-terminus, was expressed in <i>E. coli</i> and purified by using conventional chromatography techniques. MW: 28.4 kDa.
Species	Human
Source	<i>E. coli</i>
Protein Length	1-233aa
Description	Lin7A, also as known as MALS1 or VELI1, belongs to the lin-7 family. This protein contains 1 L27 domain and 1 PDZ (DHR) domain. It plays a role in establishing and maintaining the asymmetric distribution of channels and receptors at the plasma membrane of polarized cells. 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. Lin7A is expressed in brain, testis, kidney, placenta and liver.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT.
Molecular Mass	28.4 kDa (256aa) confirmed by MALDI-TOF.
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMLKPSVT SAPTADMATL TVVQPLTLDR DVARAIELLE KLQESGEVPV HKLQSLKKVL QSEFCTAIRE VYQYMHETIT VNGCPEFRAR ATAKATVAAF AASEGHSHPR VVELPKTDEG LGFNVMGGKE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QNSPIYISRI IPGGVAERHG GLKRGDQLLS VNGVSVEGEH HEKAVELLKA
AKDSVKLVVR YTPKVLEEME ARFEKLRTAR RRQQQQLLIQ QQQQQQQQQT
QQNHMS

Purity >90% by SDS - PAGE

Applications SDS-PAGE

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

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [LIN7A lin-7 homolog A \(C. elegans\) \[Homo sapiens \]](#)

Official Symbol LIN7A

Synonyms LIN7A; lin-7 homolog A (C. elegans); LIN7; VELI1; LIN-7A; MALS-1; TIP-33; in lin-7 homolog A; hLin-7; veli-1; mammalian LIN-7 1; vertebrate LIN7 homolog 1; tax interaction protein 33; vertebrate lin-7 homolog 1; mammalian lin-seven protein 1; Protein lin-7 homolog A; MALS1

Gene ID [8825](#)

mRNA Refseq [NM_004664](#)

Protein Refseq [NP_004655](#)

MIM [603380](#)

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UniProt ID	O14910
Chromosome Location	12q21
Function	L27 domain binding; protein binding

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