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## Product Data Sheet

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Product Name: LIN7B Human  
 Cat. No.: GP23820  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	LIN-7B; MALS-2; MALS2; VELI2; Protein lin-7 homolog B; Veli-2; hVeli2; Mammalian lin-seven protein 2; Vertebrate lin-7 homolog 2; UNQ3116/PRO10200.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAALVEP LGLERDVSRA VELLERLQRS GELPPQKLQA LQRVLQSRFC SAIREVYEQL YDTLDITGSA EIRAHATAKA TVAAFTASEG HAHPRVVELP KTDEGLGFNI MGGKEQNSPI YISRVIPGGV ADRHGGLKRG DQLLSVNGVS VEGEQHEKAV ELLKAAQGSV KLVVRYTPRV LEEMEARFEK MRSARRRQQH QSYSSLESRG.		
Formulation	LIN7B protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer, (pH 8.0), 0.2M NaCl, 50% glycerol and 2mM DTT.		

### Introduction

LIN7B (VELI2), is a member of the Velis family. Velis family contains minor synaptic proteins which interact with other proteins at the post-synaptic density (PSD) of neuronal synapses. Velis which contain the PDZ motif, participate in recruiting cell adhesion molecules, receptors, and channels. Lin7B protein is ubiquitously expressed with a high expression in the brain, liver, and testis. Lin7B localizes at the synaptic junctions in neurons, bind to CASK, which is a neurexin-binding protein highly concentrated in synapses, and Mint1, a binding partner with a vesicle trafficking protein.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

**Caution: Product has not been fully validated for medical applications. For research use only.**

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LIN7B Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 230 amino acids (1-207 a.a.) and having a molecular mass of 25.3kDa. LIN7B is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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