Recombinant human LIN-7A protein

Catalog Number: ATGP1757

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-233aa

UniProt No.
O14910

NCBI Accession No.
NP_004655

Alternative Names
Protein lin-7 homolog A, LIN-7A, LIN7, MALS-1, TIP-33, VELI1, Mammalian lin-seven protein 1, Tax interaction protein 33, Vertebrate lin-7 homolog 1

PRODUCT SPECIFICATION

Molecular Weight
28.4 kDa (256aa) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM 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
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. Recombinant human Lin7A protein, fused to His-

tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

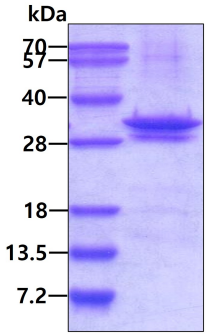
<MGSSHHHHHH SSGLVPRGSH MGS>MLKPSVT SAPTADMATL TVVQPLTLDR DVARAIELLE KLQESGEVPV HKLQSLKKVL QSEFCTAIRE VYQYMHETIT VNGCPEFRAR ATAKATVAAF AASEGHSHPR VVELPKTDEG LGFNVMGGKE QNSPIYISRI IPGGVAERHG GLKRGDQLLS VNGVSVEGEH HEKAVELLKA AKDSVKLVVR YTPKVLEEME ARFEKLRTAR RRQQQQLLIQ QQQQQQQQQT QQNHMS

General References

Shamshiev A., et al. (2000) Immunity 13:255-264
Winau F., et al. (2004) Nat. Immunol. 5:169-174

DATA

SDS-PAGE



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