

Product datasheet

Recombinant Human LIN7C protein ab137173

1 Image

Description

Product name	Recombinant Human LIN7C protein
Purity	> 90 % SDS-PAGE. ab137173 was purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	Q9NUP9
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<p>MGCSEHHHHH SSGLVPRGSH MGSMAALGEP VRLELDICRA IELLEKLQRS GEVPPQKLQA LQRVLQSEFC NAVREVEHV YETVDISSSP EVRANATAKA TVAAFAASEG HSHPRVVLP KTEEGLGFNI MGGKEQNSPI YISRIIPGGI ADRHGGLKRG DQLLSVNGVS VEGEHHEKAV ELLKAAQGV KLVVRYTPKV LEEMESRFEK MRSKRQQT</p>
Predicted molecular weight	24 kDa including tags
Amino acids	1 to 197
Tags	His tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab137173** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.32% Tris HCl, 30% Glycerol (glycerin, glycerine), 1.17% Sodium chloride

General Info

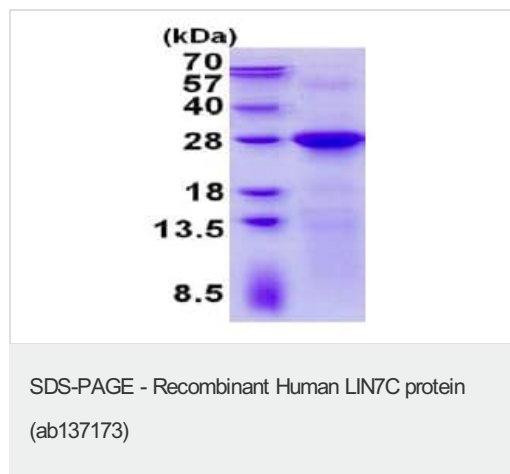
Relevance

LIN7C plays a role in establishing and maintaining the asymmetric distribution of channels and receptors at the plasma membrane of polarized cells. It 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. LIN7C 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. It is also required to localize Kir2 channels, GABA transporter (SLC6A12) and EGFR/ERBB1, ERBB2, ERBB3 and ERBB4 to the basolateral membrane of epithelial cells.

Cellular localization

Cell membrane. Peripheral membrane protein. Basolateral cell membrane. Cell junction. Enriched in synaptosomes and at epithelial cell-cell junctions. Mainly basolateral in renal epithelial cells.

Images



15% SDS-PAGE analysis of ab137173 (3µg)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors