

Recombinant Human Lin28A protein ab89225

2 图像

描述

产品名称	重组人Lin28A蛋白
纯度	> 85 % SDS-PAGE. ab89225 is purified using conventional chromatography techniques.
表达系统	Escherichia coli
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
氨基酸	42 to 209

技术指标

Our **Abpromise guarantee** covers the use of **ab89225** in the following tested applications.

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

应用	SDS-PAGE
形式	Liquid

制备和贮存

稳定性和存储	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. pH: 8.00 Constituents: 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride, 0.002% PMSF
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常规信息

功能	Acts as a 'translational enhancer', driving specific mRNAs to polysomes and thus increasing the efficiency of protein synthesis. Its association with the translational machinery and target mRNAs results in an increased number of initiation events per molecule of mRNA and, indirectly, in stabilizing the mRNAs. Binds IGF2 mRNA, MYOD1 mRNA, ARBP/36B4 ribosomal protein mRNA
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and its own mRNA. Essential for skeletal muscle differentiation program through the translational up-regulation of IGF2 expression (By similarity). Acts as a suppressor of microRNA (miRNA) biogenesis by specifically binding the precursor let-7 (pre-let-7), a miRNA precursor. Acts by binding pre-let-7 and recruiting ZCCHC11/TUT4 uridylyltransferase, leading to the terminal uridylation of pre-let-7. Uridylated pre-let-7 miRNAs fail to be processed by Dicer and undergo degradation. Degradation of pre-let-7 in embryonic stem (ES) cells contributes to the maintenance of ES cells. In contrast, LIN28A down-regulation in neural stem cells by miR-125, allows the processing of pre-let-7. Specifically recognizes the 5'-GGAG-3' motif in the terminal loop of pre-let-7. Also recognizes and binds non pre-let-7 pre-miRNAs that contain the 5'-GGAG-3' motif in the terminal loop, leading to their terminal uridylation and subsequent degradation.

组织特异性

Expressed in embryonic stem cells (ES cells), placenta and testis.

序列相似性

Belongs to the lin-28 family.
Contains 2 CCHC-type zinc fingers.
Contains 1 CSD (cold-shock) domain.

发展阶段

Expressed in fetal liver. Expression decreases during differentiation of ES cells or upon induction of neuronal differentiation by retinoic acid.

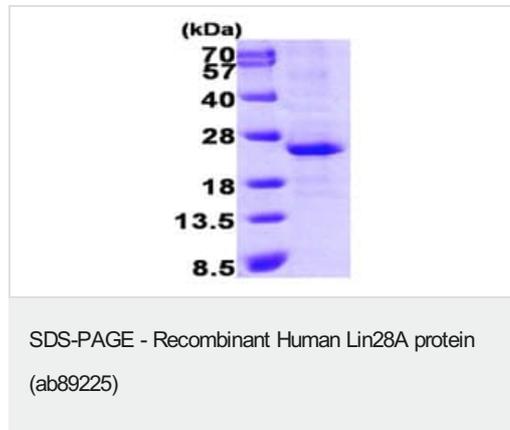
结构域

The CSD domain is required for function in muscle differentiation.

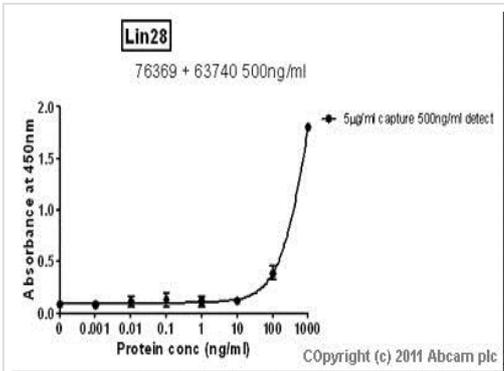
细胞定位

Cytoplasm. Nucleus > nucleolus. Nucleolar localization observed in 10-15% of the nuclei in differentiated myotubes (By similarity). Shuttles between the cytoplasm and the nucleus. Localizes to cytoplasmic processing bodies and stress granules.

图片



15% SDS-PAGE showing ab89225 at approximately 21.1kDa (3µg).



Standard Curve for Lin28A (Analyte: (ab89225) Lin28A protein (His tag) (ab89225)); dilution range 1 pg/ml to 1 ug/ml using Capture Antibody (**ab76369**) Mouse monoclonal [6D1F9] to Lin28A (**ab76369**) at 0.2 ug/ml and Detector Antibody (**ab63740**) Rabbit polyclonal to Lin28A (**ab63740**) at 0.1 ug/ml.

Sandwich ELISA - Recombinant Human Lin28A protein (ab89225)

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

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