

Product datasheet

Recombinant Human Lin28 protein ab89225

画像数 2

製品の概要

製品名	Recombinant Human Lin28 protein
タンパク質長	Protein fragment

製品の詳細

由来	Recombinant
由来	Escherichia coli
アミノ酸配列	
生物種	Human
領域	42 to 209

特性

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.

アプリケーション	SDS-PAGE
精製度	> 85 % SDS-PAGE. ab89225 is purified using conventional chromatography techniques.
製品の状態	Liquid

前処理および保存

保存方法および安定性	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, 0.58% Sodium chloride, 0.002% PMSF
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関連情報

機能	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
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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 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.

組織特異性

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

配列類似性

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

発生段階

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

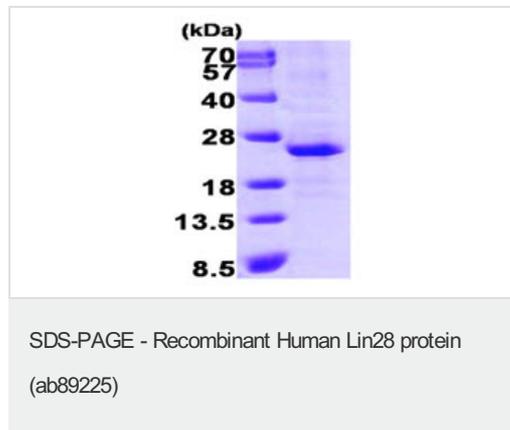
ドメイン

The CSD domain is required for function in muscle differentiation.

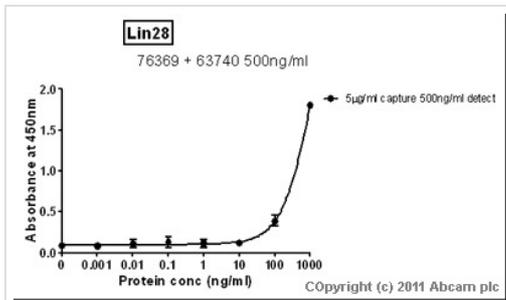
細胞内局在

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.

画像



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



Standard Curve for Lin28 (Analyte: [Lin28 protein \(His tag\) \(ab89225\)](#)); dilution range 1 pg/ml to 1 ug/ml using Capture Antibody [Mouse monoclonal \[6D1F9\] to Lin28 \(ab76369\)](#) at 0.2 ug/ml and Detector Antibody [Rabbit polyclonal to Lin28 \(ab63740\)](#) at 0.1 ug/ml.

Sandwich ELISA - Recombinant Human Lin28 protein (ab89225)

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