

Datasheet for ABIN7554422
LIN28B Protein (AA 1-250) (His tag)



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Overview

Quantity:	1 mg
Target:	LIN28B
Protein Characteristics:	AA 1-250
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LIN28B protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant LIN28B Protein expressed in mammalian cells.
Sequence:	MAEGGASKGG GEEPGKLPEP AEEESQVLRG TGHCKWFNVR MFGGFISMIN REGSPLDIPV DVFVHQSKLF MEGFRSLKEG EPVEFTFKKS SKGLESIRVT GPGGSPCLGS ERRPKGKTLQ KRKPKGDRCY NCGGLDHHAK ECSLPPQPKK CHYCQSIMHM VANCPHKNVA QPPASSQGRQ EAESQPCTST LPREVGGGHG CTSPFPQEA RAEISERSGR SPQEASSTKS SIAPEEQSKK GPSVQKRKKT Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	LIN28B
Alternative Name:	LIN28B (LIN28B Products)
Background:	<p>Protein lin-28 homolog B (Lin-28B),FUNCTION: Suppressor of microRNA (miRNA) biogenesis, including that of let-7 and possibly of miR107, miR-143 and miR-200c. Binds primary let-7 transcripts (pri-let-7), including pri-let-7g and pri-let-7a-1, and sequester them in the nucleolus, away from the microprocessor complex, hence preventing their processing into mature miRNA (PubMed:22118463). Does not act on pri-miR21 (PubMed:22118463). The repression of let-7 expression is required for normal development and contributes to maintain the pluripotent state of embryonic stem cells by preventing let-7-mediated differentiation. When overexpressed, recruits ZCCHC11/TUT4 uridylyltransferase to pre-let-7 transcripts, leading to their terminal uridylation and degradation (PubMed:19703396). This activity might not be relevant in vivo, as LIN28B-mediated inhibition of let-7 miRNA maturation appears to be ZCCHC11-independent (PubMed:22118463). Interaction with target pre-miRNAs occurs via an 5'-GGAG-3' motif in the pre-miRNA terminal loop. Mediates MYC-induced let-7 repression (By similarity). When overexpressed, isoform 1 stimulates growth of the breast adenocarcinoma cell line MCF-7. Isoform 2 has no effect on cell growth. {ECO:0000250 UniProtKB:Q45KJ6, ECO:0000269 PubMed:16971064, ECO:0000269 PubMed:18951094,</p>

Target Details

ECO:0000269|PubMed:19703396, ECO:0000269|PubMed:22118463}.

Molecular Weight: 27.1 kDa

UniProt: [Q6ZN17](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
