

Datasheet for ABIN2468762 **LIN28A Protein (TAT tag)**

[Go to Product page](#)

Overview

Quantity:	0.005 mg
Target:	LIN28A
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This LIN28A protein is labelled with TAT tag.

Product Details

Sequence:	GPSVSNQQFA GGCAKAAEEA PEEAPEDAAR AADEPQLLHG AGICKWFNVR MGFGFLSMTA RAGVALDPPV DVFVHQSKLH MEGFRSLKEG EAVEFTFKKS AKGLESIRVT GPGGVFCIGS ERRPKGKSMQ KRRSKGDRCY NCGGLDHHAK ECKLPPQPKK CHFCQSISHM VASCPLKAQQ GP
Characteristics:	Biological activity was measured by its ability to induce fluorescence in Lin28 reporter cells (293 cells transfected with fluorescent protein genes under Lin28 control). Optimum activity was achieved at 20 µg/mL after incubation for 72 hr.
Purity:	< 90 % by SDS-PAGE gel and HPLC analyses.
Endotoxin Level:	Endotoxin level is less than 0.1 ng per µg (1 EU/µg).

Target Details

Target:	LIN28A
Alternative Name:	Lin28 (LIN28A Products)

Target Details

Background:	Lin28 is a RNA-binding protein that belongs to a diverse family of structurally-related transcription factors. Lin28 is found abundantly in embryonic stem cells (ESCs), and to a lesser extent in placenta and testis. Lin28 has been shown to block let-7 microRNA processing and maturation, a necessary step in the differentiation of stem cells and certain cancer cell lines. Together with Sox2, Oct4, and Nanog, Lin28 can induce the reprogramming of primary human fibroblasts to a pluripotent state. Lin28 and other regulatory proteins can be introduced into cells by DNA transfection, viral infection, or microinjection. Protein transduction using TAT fusion proteins represents an alternative methodology for introducing proteins into primary as well as transformed cells. Recombinant human Lin28-TAT is a 24.4 kDa protein containing 222 amino acid residues, including 13- residue C-terminal TAT peptide.
Gene ID:	79727
NCBI Accession:	NP_078950
OMIM:	13375938
UniProt:	Q9H9Z2
Pathways:	Stem Cell Maintenance

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Lyophilized
Handling Advice:	As with any protein, exposing Lin28-TAT recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.
Storage:	-20 °C
Storage Comment:	The recombinant protein is stable for at least 2 years from date of receipt at -20 °C. Reconstituted Lin28-TAT stable for at least 3 months when stored in working aliquots with a carrier protein at -20 °C.
Expiry Date:	24 months