

32-20412: Recombinant Human Lin28-TAT(Discontinued)

Alternative Name : CSDD1, LIN28A, ZCCHC1

Description

Source: **E.coli** 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 a 13-residue C-terminal TAT peptide.

Product Info

Amount : 5 µg / 25 µg

Purification : Purity: >= 90% by SDS-PAGE gel and HPLC analyses.

Content : This recombinant protein is supplied in lyophilized form.

Amino Acid : GPSVSNQQFA GGCAKAAEEA PEEAPEDAAR AADEPQLLHG AGICKWFNVR MGFGFLSMTA
RAGVALDPPV DVFVHQSKLH MEGFRSLKEG EAVEFTFKKS AKGLESIRVT GPGGVFCIGS ERRPKGKSMQ
KRRSKGDRCY NCGGLDHHAK ECKLPPQPKK CHFCQSISHM VASCPLKAQQ GPSAQGKPTY FREEEEEIHS
PTLLPEAQNG GYGRKKRRQR RR

Application Note

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.