

Recombinant Human Lin-28 Homolog (C. elegans)

Cat. No. LIN28-1820H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Lin28 protein was expressed in <i>E. coli</i> and purified by using conventional chromatography techniques. MW = 21.1 kDa (191aa).
Species	Human
Source	E.coli
Description	Lin-28 acts as a "translational enhancer", driving specific mRNAs to polysomes and thus increasing the efficiency of protein synthesis. It is marker of undifferentiated human embryonic stem cells and has been used to enhance the efficiency of the formation of induced pluripotent stem (iPS) cells from human fibroblasts. It has also been shown to bind to the let-7 pre-miRNA and block production of the mature let-7 microRNA in mouse embryonic stem cells.
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH RSMGICKWFN VRMGFGFLSM TARAGVALDP PVDVVFVHQS LHMEGFRSLK EGEAVEFTFK KSAKGLESIR VTGPGGVFCI GSERRPKGKS MQKRRSKGDR CYNCGGLDHH AKECKLPPQP KKCHFCQSIG HNVASCPLKA QQGPSAQGKP TYFREEEEEI HSPTLLPEAQ N
Form	Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.1M NaCl.
Purity	> 90% by SDS – PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

LIN28 lin-28 homolog (C. elegans) [Homo sapiens]

Synonyms

LIN28; lin-28 homolog (C. elegans); CSDD1; LIN-28; LIN28A; ZCCHC1; FLJ12457; lin-28 homolog; RNA-binding protein LIN-28; zinc finger, CCHC domain containing 1; OTTHUMP00000003663; Zinc finger CCHC domain-containing protein 1; Lin-28 homolog A

Gene ID

79727

mRNA Refseq

NM_024674

Protein Refseq

NP_078950

MIM

611043

UniProt ID

Q9H9Z2

**Chromosome
Location**

1p36.11

Function

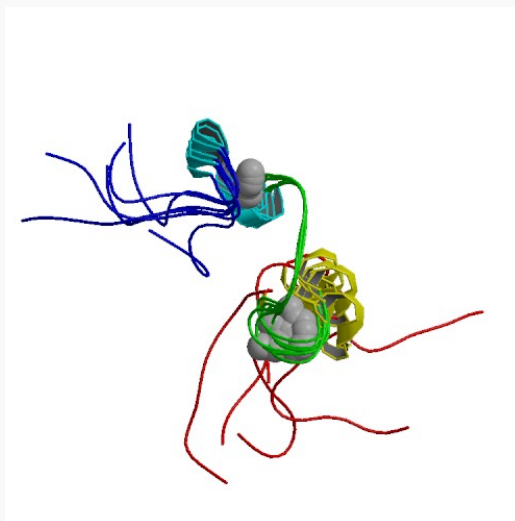
DNA binding; RNA binding; metal ion binding; protein binding; zinc ion binding

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