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# Recombinant human LIN-28A protein

Catalog Number: ATGP0412

### **PRODUCT INFORMATION**

### **Expression system**

E.coli

#### **Domain**

42-209aa

#### UniProt No.

09H9Z2

#### **NCBI Accession No.**

NP 078950

#### **Alternative Names**

Zinc finger CCHC domain-containing protein 1, ZCCHC1, Tex17, RNA binding protein lin 28, LIN28A, LIN-28, Lin 28 homolog A, Lin 28 homolog, FLJ12457, CSDD1,

#### PRODUCT SPECIFICATION

## **Molecular Weight**

21.1 kDa (191aa) confirmed by MALDI-TOF

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1M NaCl, 0.1mM PMSF

#### **Purity**

> 85% by SDS-PAGE

#### Tag

His-Tag

# **Application**

SDS-PAGE

#### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

# 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. Recombinant Lin28 protein was expressed in E. coli and purified by using conventional



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chromatography techniques.

### **Amino acid Sequence**

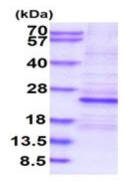
MGSSHHHHHH SSGLVPRGSH RSMGICKWFN VRMGFGFLSM TARAGVALDP PVDVFVHQSK LHMEGFRSLK EGEAVEFTFK KSAKGLESIR VTGPGGVFCI GSERRPKGKS MQKRRSKGDR CYNCGGLDHH AKECKLPPQP KKCHFCQSIS HMVASCPLKA QQGPSAQGKP TYFREEEEEI HSPTLLPEAQ N

#### **General References**

Moss E.G., et al. (2003) Dev. Biol. 258:432-442 Heo I., et al. (2009) Cell. 138:696-708.

#### **DATA**

#### **SDS-PAGE**



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

