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## Product Data Sheet

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Product Name: LIN28 Human  
 Cat. No.: GP23816  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CSDD1; FLJ12457; LIN-28; LIN28A; Protein lin-28 homolog A; ZCCHC1; Zinc finger CCHC domain-containing protein 1; Lin-28A; LIN28.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSHRSMGICKWFN VRMGFGFLSM TARAGVALDP PVDVVFVHQSK LHMEGFRSLK EGEAVEFTFK KSAKGLESIR VTGPGGVFCI GSERRPKGKS MQKRRSKGDR CYNCGGLDHH AKECKLPPQP KKCHFCQSIG HMASCP LKA QGQPSAQGKP TYFREEEEEI HSPTLLPEAQ N.		
Formulation	The LIN28 protein solution contains 20mM Tris-HCl, pH-8, 10% glycerol and 0.1M NaCl.		

### Introduction

LIN28 plays an important role as a 'translational enhancer', leading specific mRNAs to polysomes and therefore increasing the competence of protein synthesis. LIN28 is a marker of undifferentiated human embryonic stem cells and it enhances the efficiency of the formation of induced pluripotent stem (iPS) cells from human fibroblasts. LIN28 binds to the let-7 pre-miRNA and blocks production of the mature let-7 microRNA in mouse embryonic stem cells. Overexpression of LIN28 is associated with human germ-cell tumors.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

Recombinant Human LIN28 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 191 amino acids (42-209) and having a molecular mass of 21.1

**Caution: Product has not been fully validated for medical applications. For research use only.**

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kDa.LIN28 is expressed with a 23 amino acid His tag fused at N-Terminus and purified by proprietary chromatographic techniques.

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