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## Product Data Sheet

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Product Name: LIN28 Human, TAT  
 Cat. No.: GP23817  
 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	GPSVSNQQFA GGC AKAEEA PEEAPEDAAR AADEPQLLHG AGICKWFNVR MGFGFLSMTA RAGVALDPPV DVFVHQSKLH MEGFRSLKEG EAVEFTFKKS AKGLESIRVT GPGGVFCIGS ERRPKGKSMQ KRRSKGDRCY NCGGLDHHAK ECKLPPQPKK CHFCQSISHM VASCPLKAQQ GPSAQGKPTY FREEEEEIHS PTLLEAQNG GYGRKKRRQR RR.		
Formulation	The LIN28 protein solution was formulated in PBS with 50mM arginine		

### Introduction

LIN28 is a marker of undifferentiated human embryonic stem cells and it increases the productivity of the formation of induced pluripotent stem cells from human fibroblasts. LIN28 acts as a 'translational enhancer and therefore leading specific mRNAs to polysomes and causes an increased protein synthesis. LIN28 binds let-7 pre-miRNA and blocks production of the mature let-7 microRNA in mouse embryonic stem cells.

### 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 222 amino acids (including 13- residue C-terminal TAT peptide) and having a molecular mass of 24.4kDa. The LIN28 is purified by proprietary

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

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chromatographic techniques.

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