

Lin28, 42-209 aa, Human, His-tag, E.coli

Cat.NO.: TP02828

3th Edition

Synonyms:Zinc finger CCHC domain-containing protein 1, CSDD1, FLJ12457, LIN-28, LIN28A, ZCCHC1

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.

Form:Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.1M NaCl

Molecular Weight:21.1 kDa (191aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHRSMGICKWFNVRMGFGFLSMTARAGVALDPPVDVVFVHQSCLHMEGFRSLKEGE
AVEFTFKKSAKGLSIRVTGPGGVFCIGSERPKGKSMQKRRSKGDRCYNCGGLDHHAKECKLPPQPKKCHFCQ
SISHMVASCPLKAQQGPSAQQGKPTYFREEEEEIHSPTLLPEAQN

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.