

LIN28B cDNA

Catalog Number: ATGD0297

PRODUCT INFORMATION

Catalog number

ATGD0297

Product type

cDNA

Species

Human

NCBI Accession No.

NP_001004317.1

Alternative Names

Protein lin-28 homolog B, CSDD2

mRNA Refseq

NM_001004317.3

OMIM

611044

Chromosome location

6q21

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

753bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

LIN28B belongs to the lin-28 family, which is characterized by the presence of a cold-shock domain and a pair of CCHC zinc finger domains. This gene is highly expressed in testis, fetal liver, placenta, and in primary human tumors and cancer cell lines. It is negatively regulated by microRNAs that target sites in the 3' UTR, and

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overexpression of this gene in primary tumors is linked to the repression of let-7 family of microRNAs and derepression of let-7 targets, which facilitates cellular transformation.

DATA

Sequence nucleotides

ATGGCCGAAGGCGGGGCTAGCAAAGGTGGTGGAGAAGAGCCCGGAAGCTGCCGGAGCCGGCAGAGGAGGAATCCCAG
GTTTTGCGCGGAACTGGCCACTGTAAGTGGTTCAATGTGCGCATGGGATTTGGATTCATCTCCATGATAAACCGAGAGGGA
AGCCCCTTGATATTCCAGTCGATGTATTTGTACACCAAAGCAAACCTATTCATGGAAGGATTTAGAAGCCTAAAAGAAGGAG
AACCAGTGGAATTCACATTTAAAAAATCTTCAAAGGCCTTGAGTCAATACGGGTAACAGGACCTGGTGGGAGCCCCTGTTT
AGGAAGTGAAAGAAGACCCAAAGGGAAGACACTACAGAAAAGAAAACCAAAGGGAGATAGATGCTACAACCTGTGGTGGCC
TTGATCATCATGCTAAGGAATGTAGTCTACCTCCTCAGCCAAAGAAGTGCCATTACTGTCAGAGCATCATGCACATGGTGGC
AAACTGCCACATAAAAAATGTTGCACAGCCACCCGCGAGTTCTCAGGGAAGACAGGAAGCAGAATCCCAGCCATGCACTTC
AACTCTCCCTCGAGAAGTGGAAGGCGGGCATGGCTGTACATCACCACCGTTTCCTCAGGAGGCTAGGGCAGAGATCTCAG
AACGGTCAGGCAGGTCACCTCAAGAAGCTTCCTCCACGAAGTCATCTATAGCACCAGAAGAGCAAAGCAAAAAGGGGCCTT
CAGTTCAAAAAGGAAAAAGACATAA

Transaction Sequence

MAEGGASKGG GEEPGKLPEP AEEESQVLRG TGHCKWFNVR MGFGFISMIN REGSPLDIPV DVFVHQSKLF MEGFRSLKEG
EPVEFTFKKS SKGLESIRVT GPGGSPCLGS ERRPKGKTLQ KRKPKGDRCY NCGGLDHHAK ECSLPPQPKK CHYCQSIMHM
VANCPHKNVA QPPASSQGRQ EAESQPCTST LPREVGGGHG CTSPFPQEA RAEISERSGR SPQEASSTKS SIAPEEQSKK
GPSVQKRKKT