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

ATGGCCGAAGGCGGGGCTAGCAAAGGTGGTGGAGAAGAGCCCGGGAAGCTGCCGGAGCCGGCAGAGGAGGAATCCCAG
GTTTTGCGCGGAACTGGCCACTGTAAGTGGTTCAATGTGCGCATGGGATTTGGATTCATCTCCATGATAAACCGAGAGGGA
AGCCCCTTGGATATTCCAGTCGATGTATTTGTACACCAAAGCAAACTATTCATGGAAGGATTTAGAAGCCTAAAAGAAGGAG
AACCAGTGGAATTCACATTTAAAAAATCTTCCAAAGGCCTTGAGTCAATACGGGTAACAGGACCTGGTGGGAGCCCCTGTTT
AGGAAGTGAAAGAAGACCCAAAGGGAAGACACTACAGAAAAGAAAACCAAAGGGAGATAGATGCTACAACTGTGGTGGCC
TTGATCATCATGCTAAGGAATGTAGTCTACCTCCTCAGCCAAAGAAGTGCCATTACTGTCAGAGCATCATGCACATGGTGGC
AAACTGCCCACATAAAAATGTTGCACAGCCACCCGCGAGTTCTCAGGGAAGACAGGAAGCAGAATCCCAGCCATGCACTTC
AACTCTCCCTCGAGAAGTGGGAGGCGGGCATGGCTGTACATCACCACCGTTTCCTCAGGAGGCTAGGGCAGAGATCTCAG
AACGGTCAGGCAGGTCACCTCAAGAAGCTTCCTCCACGAAGTCATCTATAGCACCAGAAGAGCAAAGCAAAAAGGGGCCTT
CAGTTCAAAAAAGGAAAAAGACATAA

Transaction Sequence

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