

Product datasheet for **RG203397**

Lin28 (LIN28A) (NM_024674) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lin28 (LIN28A) (NM_024674) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: Lin28
Synonyms: CSDD1; LIN-28; lin-28A; LIN28; ZCCHC1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG203397 representing NM_024674
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCTCCGTGCCAACACAGCAGTTTGCAGGTGGCTGCGCCAAGGCGGCAGAAGAGGCGCCCGAGGAGG
CGCCGGAGGACGCGGCCCGGGCGCGGACGAGCCTCAGCTGCTGCACGGTGCAGGATCTGTAAGTGTT
CAACGTGCGCATGGGTTTCGGCTCCTGTCCATGACCGCCGCGCGGGTTCGCGCTCGACCCCGAGT
GATGTCTTTGTGCCACAGAGTAAGCTGCACATGGAAGGGTTCCGGAGCTTGAAGGAGGGTGAAGCAGTGG
AGTTCACCTTTAAGAAGTCAGCCAAGGGTCTGGAATCCATCCGTGTCACCGGACCTGGTGGAGTATTCTG
TATTGGGAGTGAGAGGCGCCAAAAGGAAAGAGCATGCAGAAGCGCAGATCAAAGGAGACAGGTGCTAC
AACTGTGGAGGTCTAGATCATCATGCAAGGAATGCAAGCTGCCACCCAGCCAAAGAGTGCCACTTCT
GCCAGAGCATCAGCCATATGGTAGCCTCATGTCCGCTGAAGGCCAGCAGGGCCCTAGTGACAGGGAAA
GCCAACCTACTTTTCGAGAGGAAGAAGAAGAAATCCACAGCCCTACCCTGCTCCCGAGGCACAGAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203397 representing NM_024674
Red=Cloning site Green=Tags(s)

MGSVSNQQFAGGCAKAAEEAPEEAPEDAARAADPEQLLHGAGICKWFNVRMGFGFLSMTARAGVALDPPV
DVFVHQSKLHMEGFRSLKEGEAVEFTFKKSAKGLSIRVTGPGGVFCIGSERRPKGKSMQKRRSKGDRCY
NCGGLDHHAKECKLPPQPKKCHFCQISIMVASCLPKAQGPSAQGKPTYFREEEEEIHSPTLLPEAQN

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_024674

ORF Size: 627 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_024674.6](#)

RefSeq Size: 3513 bp

RefSeq ORF: 630 bp

Locus ID: 79727

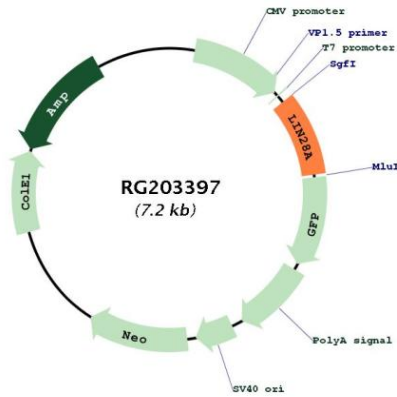
UniProt ID: [Q9H9Z2](#)

Cytogenetics: 1p36.11

Protein Families: Transcription Factors

Gene Summary: This gene encodes a LIN-28 family RNA-binding protein that acts as a posttranscriptional regulator of genes involved in developmental timing and self-renewal in embryonic stem cells. The encoded protein functions through direct interaction with target mRNAs and by disrupting the maturation of certain miRNAs involved in embryonic development. This protein prevents the terminal processing of the LET7 family of microRNAs which are major regulators of cellular growth and differentiation. Aberrant expression of this gene is associated with cancer progression in multiple tissues. [provided by RefSeq, Sep 2015]

Product images:



Circular map for RG203397