

Product datasheet for **SC122965**

Lin28 (LIN28A) (NM_024674) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lin28 (LIN28A) (NM_024674) Human Untagged Clone
Tag:	Tag Free
Symbol:	Lin28
Synonyms:	CSDD1; LIN-28; lin-28A; LIN28; ZCCHC1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_024674 edited
 GTGCGGGGAAGATGTAGCAGCTTCTTCCGAACCAACCTTTGCCTTCGGACTTCTCC
 GGGCCAGCAGCCGCCCCGACCAGGGGGCCGGGGCCAGGGCTCAGCCGACGACCATGGGC
 TCCGTGTCCAACAGCAGTTTGCAGGTGGCTGCGCCAAGGCGGCAGAAGAGGCGCCCGAG
 GAGGCGCCGAGGACGCGGCCCGGGCGGACGAGCCTCAGCTGCTGCACGGTGCGGGC
 ATCTGTAAGTGGTTCAACGTGCGCATGGGGTTCGGCTTCTGTCCATGACCGCCCGCCG
 GGGTTCGCGCTCGACCCCCAGTGGATGTCTTTGTGCACCAGAGTAAGCTGCACATGGAA
 GGGTTCGGAGCTTGAAGGAGGGTGAAGCAGTGGAGTTCACCTTTAAGAAGTCAGCCAAG
 GGTCTGGAATCCATCCGTGTACCGGACCTGGTGGAGTATTCTGTATTGGGAGTGAGAGG
 CGGCCAAAAGAAAGAGCATGCAGAAGCGCAGATCAAAGGAGACAGGTGCTACAACGTG
 GGAGGTCTAGATCATCATGCCAAGGAATGCAAGCTGCCACCCAGCCCAAGAAGTGCCAC
 TTCTGCCAGAGCATCAGCCATATGGTAGCCTCATGTCCGCTGAAGGCCAGCAGGGCCCT
 AGTGACACAGGAAAGCCAACCTACTTTTCGAGAGGAAGAAGAAGAAATCCACAGCCCTACC
 CTGCTCCCGGAGGCACAGAATTGAGCCACAATGGGTGGGGCTATTCTTTTGCTATCAGG
 AAGTTTCGAGGAGCAGGCAGAGTGGAGAAAGTGGGAATAGGGTGCATTGGGGCTAGTTGG
 CACTGCCATGTATCTCAGGCTTGGGTTCACACCATCACCTTTCTCCCTCTAGGTGGGG
 GGAAAGGTGAGTCAAAGGAACCCAACCATGCTCTGTCCAAATGCAAGTGAGGGTCTG
 GGGCAACCAGGAGGGGGGAATCACCTACAACCTGCATACTTTGAGTCTCCATCCCCAG
 AATTTCCAGCTTTTGAAGTGGCTGGATAGGGAAGTTGTTTTCTTTTAAAGAAGGATA
 TATAATAATTCCCATGCCAGAGTGAAATGATTAAGTATAAGACCAGATTTCATGGAGCCAA
 GCCACTACATTCTGTGGAAGGAGATCTCTCAGGAGTAAGCATTGTTTTTTTTTTCACATCT
 TGTATCTCATACCCACTTTTGGGATAGGGTGGTGGCAGCTGTCCAAGCAATGGGTAAT
 GATGATGGCAAAAAGGTGTTTGGGGAAACAGCTGCAGACCTGTGCTCTATGCTCACCC
 CCGCCCCATTCTGGGCAATGTGATTTTATTTATTTGCTCCCTGGATACTGCACCTTGG
 GTCCCACTTTCTCAGGATGCCAACTGCACTAGCTGTGTGCGAATGACGTATCTTGTGCA
 TTTTAACTTTTTCTTAATATAAATATTCTGGTTTTGTATTTTGTATTTTTAATCT
 AAGGCCCTCATTTCTGCACTGTGTTCTCAGGTACATGAGCAATCTCAGGATAGCCAGC



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AGCAGCTCCAGGTCTGCCAGCAGGAATTACTTTTTGTTGTTTTGCCACCGTGGAGAGC
 AACTATTTGGAGTGCACAGCCTATTGAACTACCTATTTTTGCCAATAAGAGCTGGCTTT
 TCTGCCATAGTGTCTCTTGAACCCCTCTGCCTTGAATAATGTTTTATGGGAGACCAGG
 TTTTAAC TGGGTGGCCCATGACTTGATTGCCTTCTACTGGAAGATTGGGAATTAGTCTA
 AACAGGAAATGGTGTACACAGAGGCTAGGAGAGGCTGGGCCCGTGAAAAGGCCAGAGA
 GCAAGCCAAGATTAGGTGAGGGTTGTCTAATCCTATGGCACAGGACGTGCTTTACATCTC
 CAGACTGTCTTCCACCAGATTAGGTTAGGCCTACCATGTGCCACAGGGTGTGTGTGT
 TTGTAAAAC TAGAGTTGCTAAGGATAAGTTTAAAGACCAATACCCTGTACTTAATCCTG
 TGCTGTCGAGGGATGGATATATGAAGTAAGGTGAGATCCTTAACCTTTCAAATTTTCGG
 GTTCCAGGGAGACACACAAGCGAGGGTTTTGTGGTGCCTGGAGCCTGTGTCTGCCTGC
 TACAGTAGTGATTAATAGTGTCTGGTAGCTAAAGGAGAAAAAGGGGTTTTCGTTTACAC
 GCTGTGAGATCACCGCAAACCTACCTTACTGTGTGAAACGGGACAAATGCAATAGAACG
 CATTGGGTGGTGTGTCTGATCCTGGGTTCTTGTCTCCCTAAATGCTGCCCCCAAGT
 TACTGTATTTGTCTGGGCTTTGTAGGACTTCACTACGTTGATTGTAGGTGGCCTAGTTT
 GTGTAAATATAATGTATTGGTCTTCTCCGTGTTCTTTGGGGTTTTGTTTACAAACTTC
 TTTTTGTATTGAGAGAAAATAGCCAAAGCATCTTTGACAGAAGTTCTGCACCAGGCAA
 AAAGATCTGAAACATTAGTTTGGGGGCCCTCTTCTAAAGTGGGGATCTTGAACCATCC
 TTTCTTTTGATTTCCCTTCCCTATTACCTATTAGACCAGATCTTCTGTCTAAAAACT
 TGTCTTACCCTGCCCTCTTTCTGTTCAACCCAAAAGAAAACCTTACACCCACACA
 CATACACATTTTCACTGCTTGGAGTGTCTCCACAACCTTAAATGATGTATGCAAAAATACT
 GAAGCTAGGAAAACCTCCATCCCTTGTCCCAACCTCCTAAGTCAAGACCATTACCATT
 TCTTTCTTTCTTTTTTTTTTTTTTAAAATGGAGTCTCGCTGTGTGCGCCAGGCTGGAGT
 GCAGTGAGCTGAGATCGCACCACTGCACCTCCAGCCTGGTTACAGAGCAAGACTCTGTCTC
 AAACAAAACAAAACAAAACAAAACACACTACTGTATTTGGATGGATCAACCTCCTTA
 ATTTAATTTCTAATCCTAAAGTAAAGAGATGCAATTGGGGCCTTCCATGTAGAAAAGT
 GGGTCAGGAGGCAAGAAAGGGAATATGAATGTATATCCAAGTCACTCAGGAACTTTTAT
 GCAGGTGCTAGAACTTTATGTCAAAGTGGCCACAAGATTGTTTAAAGGAGACGAACGA
 ATGTAACCTCATGTTTACTGCTAGAAACCAAAGCTTTGTGTAATACTTGAATTTATGGG
 GCGGGAGGGTAGGAAAGCCTGTACCTGTCTGTTTTTTCTGATCCTTTCCCTCATTCC
 TGAAGTGCAGGAGACTGAGCCCTTTGGGCTTTGGTGACCCCATCACTGGGGTGTGTTA
 TTTGATGGTTGATTTGTGTACTGGGACTTCTTTCCATTTTCTAATCATTTTTTAA
 CACAAGCTGACTTCCCTTCCCTTCTCCTTTCCCTGGAAAAATACAATGAATAAATAAA
 GACTTATTGGTACTCAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024674 unedited
 NNNNCCCAGTACACAATTTGTATACGACTACTATAGGCGGCCGCGATTCCGGCAGAGGG
 TGGGGGGAAGAGTAGCAGCTTCTTCCGAACCAACCTTTGCCTTCGGAATCTCCGG
 GGCCAGCAGCCGCCGANAGGGGCCGGGACGGGCTCAGCCGACGACCATGGGCTCC
 GTGTCCAACCAGCAGTTTGCAGGTGGCTGCGCCAAGGCGGAGAGAGGCGCCGAGGAG
 GCGCCGGAGGACGCGCCCGGGCGGACGAGCCTCAGCTGCTGCACGGTGCGGGCATC
 TGTAAGTGGTTCAACGTGCGCATGGGGTTCCGGTTCCTGTCCATGACCGCCCGCGCCGG
 GTCGCGCTCGACCCCAAGTGGATGTCTTTGTGCCACAGAGTAAGCTGCACATGGAAGGG
 TTCCGGAGCTTGAAGGAGGGTGAGGCAGTGGAGTTCACCTTTAAGAAGTCAAGCAAGGGT
 CTGGAATCCATCCGTGTACCCGACCTGGTGGAGTATTCTGTATTGGGAGTGAGAGGCGG
 CAAAAGGAAAGAGCATGCAGAAGCGCAGATCAAAGGAGACAGGTGCTACAACGTGGA
 GGTCTAGATCATCATGCCAAGGAATGCAAGCTGCCACCCAGCCCAAGAAGTGCCACTTC
 TGCCAGAGCATCAGCCATATGGTAGCCTCATGTCCGCTGAAAGCCAGCAGGGCCCTAGT
 GCACAGGGAAGCAACCTACTTTTCGAGAGGAAGAAANAAGAAATCCACAGCCCTACCCT
 GCTCCCGGAGGCACAGAATTGAGCCACATGGGTGGGGCTATTCTTTGTATCAGGAAG
 TTTTCGAGGACAGGCAGAGN

Restriction Sites:

Please inquire

ACCN:	NM_024674
Insert Size:	630 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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_024674.3 , NP_078950.1
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]