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Product datasheet for SC318923

LIN54 (NM_001115007) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LIN54 (NM_001115007) Human Untagged Clone
Tag:	Tag Free
Symbol:	LIN54
Synonyms:	CXCDC1; JC8.6; MIP120; TCX1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>SC318923 representing NM_001115007.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGTGGTGCCAGCTGAGATTGCTAAGAAGCCTCGAACGCCAACCTCTGGTCCAGTAATCACGAAG
CTGATCTTTGCAAAACCAATTAATAGTAAAGCAGTTACAGGACAGACAACTCAAGTTTCACCACCAGTC
ATTGCAGGTAGGGTTCTTTCACAGTCTACTCCCGGAACTCCATCAAAGACCATAACAATATCTGAAAGT
GGTGTTATTGGATCAACTTTAAATTCTACAACACAGACACCAAATAAAATAGCCATCTCACCTTTGAAA
TCGCCAAATAAGGCAGTGAAATCAACTGTGCAGACCATCACTGTTGGAGGAGTGAGCACATCACAGTTT
AAGACAATTATTCCTCTGGCAACTGCTCCCAATGTCCAGCAGATTCAAGTGCCTGGAAGCAAGTTTCAT
TATGTCCGACTTGTTACTGCCACATCAGCCAGTAGCTCAACCCAGCCAGTTAGTCAGAATCCCAGTACA
AACACTCAGCCTCTTCAGCAAGCAAAGCCAGTGGTTGTTAATACAACCCCAGTGCGGATGTCAGTTCCA
ATTGTCTCAGCTCAGGCTGTCAAACAAGTTGTTCCAAAACCAATCAATCCAACTTCACAAATAGTAACT
ACTAGCCAGCCACAGCAACGGCTTATCATGCCTGCCACACCACTGCCACAGATCCAGCCCAACCTCACT
AACCTGCCACCAGGCACTGTCCTGGCACCAGCTCCGGGAACAGGGAATGTGGGTTATGCAGTGCTTCCA
GCTCAGTATGTTACTCAGCTACAGCAGTCTTCATATGTATCAATAGCAAGCAACTCTACCTTTACTGGA
ACATCTGGTATCCAGACCCAGGCACGGCTTCCATTCAATGGCATAATCCCATCAGAGTCGGCCAGTCGG
CCCCGAAAGCCCTGTAATTGTACAAAATCACTGTGTTTGAAATTGTATTGTGATTGCTTTGCAAATGGT
GAATTTTGCAACAACTGCAATTGTACTAATTGTTACAACAATTTGGAACATGAAAATGAAAGGCAAAAA
GCAATAAAGGCATGCCTTGACAGAAATCCAGAAGCCTTTAAGCCTAAGATAGGGAAAGGAAAGGAGGGA
GAATCTGATCGACGTCATAGCAAAGGGTGTAATTGCAAACGATCAGGATGTCTTAAAAACTACTGTGAA
TGCTATGAGGCAAAAATAATGTGTTCCTCAATATGCAAATGTATTGGCTGTAAGAATTTTGAAGAAAGC
CCGGAAAGGAAGACATTGATGCATTTGGCAGATGCAGCTGAAGTAAGGGTACAGCAACAAACAGCAGCC
AAGACGAAGTTATCCTCTCAAATTTCAGACTTGCTTACTAGGCCAACACCAGCTTTAAATAGTGGAGGC
GGAAAATTGCCATTTACATTTGTAACTAAGGAAGTAGCTGAAGCCACATGTAATTGCCTCCTTGCCCAG
GCAGAGCAGGCAGACAAGAAGGGAAAATCAAAGGCAGCAGCGGAACGGATGATACTTGAGGAATTCGGA
CGATGTTTGATGAGTGTCATCAACTCTGCAGGAAAGGCAAAAAGTGACCCTTGTGCCATGAATTGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_001115007

Insert Size: 1587 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001115007.2
RefSeq Size:	5279 bp
RefSeq ORF:	1587 bp
Locus ID:	132660
UniProt ID:	Q6MZP7
Cytogenetics:	4q21.22
MW:	56.3 kDa
Gene Summary:	LIN54 is a component of the LIN, or DREAM, complex, an essential regulator of cell cycle genes (Schmit et al., 2009 [PubMed 19725879]).[supplied by OMIM, Dec 2010] Transcript Variant: This variant (2) differs in the 5' UTR and uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. Variants 2, 3 and 7 encode the same isoform (b) which is shorter than isoform a.