

Product datasheet for **RC238733**

LIN54 (NM_001288997) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LIN54 (NM_001288997) Human Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>RC238733 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGTGGTGCCAGCTGAGATTGCTAAGAAGCCTCGAACGCCAACCTCTGGTCCAGTAATCACGAAGC
TGATCTTTGCAAAACCAATTAAATAGTAAAGCAGTTACAGGACAGACAACCTCAAGTTTCACCACCAGTCAT
TGCAGGTAGGGTTCTTTCACAGTCTACTCCCGGAAGCTCCATCAAAGACCATAACAATATCTGAAAGTGGT
GTTATTGGATCAACTTTAAATTCTACAACACAGACACCAATAAAATAGCCATCTCACCTTTGAAATCGC
CAAAATAAGGCAGTGAAATCAACTGTGCAGACCATCACTGTTGGAGGAGTGAGCACATCACAGTTTAAGAC
AATTATTCTCTGGCAACTGCTCCCAATGTCCAGCAGATTCAAGTGCCTGGAAGCAAGTTTCATTATGTCTC
GACTTGTACTGCCACATCAGCCAGTAGCTCAACCCAGCCAGTTAGTCAGAATCCCAGTACAAACACTC
AGCCTCTTCAGCAAGCAAAGCCAGTGGTTGTTAATAACAACCCAGTGCGGATGTCAGTTCCAATTGTCTC
AGCTCAGGCTGTCAAAACAGTTGTTCCAAAACCAATCAATCAACTTACAAATAGTAACTACTAGCCAC
CCACAGCAACGGCTTATCATGCTGCCACACCATTGCCACAGTCCAGCCCAACCTCACTAACCTGCCAC
CAGGCATGTCTTGGCACAGCTCCGGGAACAGGGAATGTGGTTATGCAGTGCTTCCAGCTCAGTATGT
TACTCAGCTACAGCAGTCTTATATGTATCAATAGCAAGCAACTCTACCTTTACTGGAACATCTGGTATC
CAGACCCAGGCACGGCTTCCATTCAATGGCATAATCCCATCAGAGTCGCCAGTCGGCCCCGAAAGCCCT
GTAATTGTACAAAATCACTGTGTTTGAATTTGATTGTGATTGCTTTGCAAAATGGTGAATTTTGCAACA
CTGCAATTGTACTAATTGTTACAACAATTTGGAACATGAAAATGAAAGGCAAAAAGCAATAAAGGCATGC
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AAATTCAGACTTGCTTACTAGGCCAACACCAGCTTTAAATAGTGGAGGCGGAAAATTGCCATTTACATT
GTAACTAAGGAAGTAGCTGAAGCCACATGTAATTCCTCCTTGCCACGGCAGAGCAGGCAGACAAGAA
GAAAAATCAAAGGCAGCAGCGGAACGGATGATACTTGAGGAATTCGCAGATGTTTGATGAGTGTCAATCA
ACTCTGACGAAAGGCCAAAAAGTGACCCTTGTCGATGAATTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238733 protein sequence

Red=Cloning site Green=Tags(s)

MEVVP AEI AKKPRTP TSGPVITK LIFAKPINSKAVTGQT TQVSPPIA GRVLSQSTPGTPSKTITISEG
VIGSTLNSTTQT PNKIAISPLKSPNKAVKSTVQTITVGGVSTSQFKTI IPLATAPNVQQIQVPGSKFHYV
RLVTATSASSSTQPVSNPSTNTQPLQQA KPVVNTTPVRMSVP I VSAQAVKQVVPKINPTSQIVTTSQ
PQQR LIMPATPLPQIQPNL TNLPPGT V LAPAGTGNVGYAVLPAQYVTQLQ QSSYYSIASNSTFTGTSGI
QTQARLPFNIGI PSESASRPRKPCNCTKSLCLKLYC DCFANG EFCNNC NCTN CYN NLEHENERQKAIKAC
LDRNPEAFKPKIGKGEGESDRRHSKGCNCKRSGLKNYCECYEAKIMCSSICKIGCKNFEE SPERKTL
MHLADAAAEVRVQQTAAKTLSSQISDLLTRTP TALNSGGGKL PFTFVTKEVAEATCNLLAQAEQADKK
GKSKAAAE RMTL EEFGRCLMSVINSAGAKASDPCAMNC

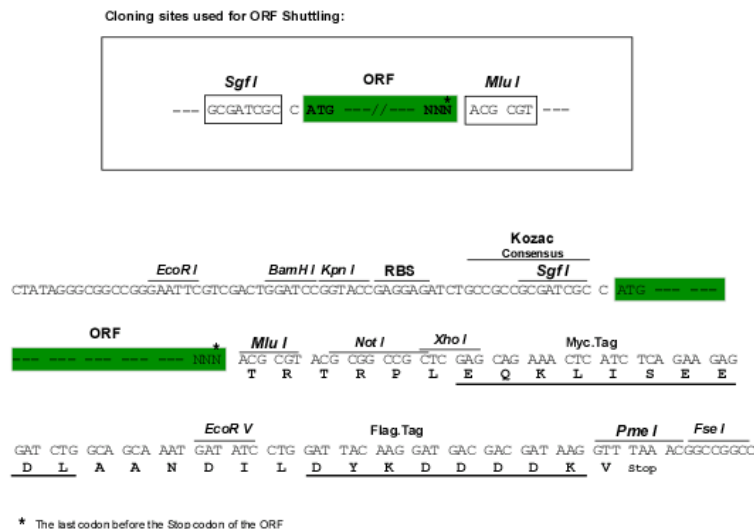
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1398_h09.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001288997

ORF Size: 1584 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001288997.1](#), [NP_001275926.1](#)

RefSeq Size: 5217 bp

RefSeq ORF: 1587 bp

Locus ID: 132660

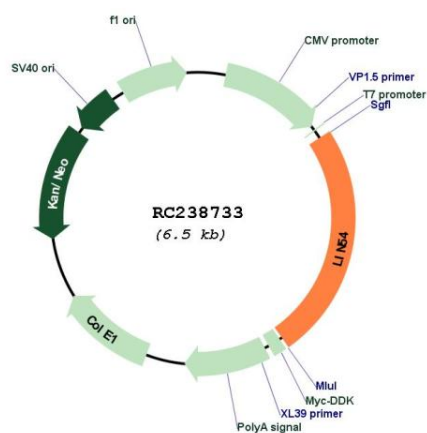
UniProt ID: Q6MZP7

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]

Product images:



Circular map for RC238733