

Product datasheet for **RG225902**

LIN54 (NM_001115007) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	LIN54
Synonyms:	CXCDC1; JC8.6; MIP120; TCX1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >RG225902 representing NM_001115007
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGGTGGTGCCAGCTGAGATTGCTAAGAAGCCTCGAACGCCAACCTCTGGTCCAGTAATCACGAAGC
 TGATCTTTGCAAAACCAATTAATAGTAAAGCAGTTACAGGACAGACAACCTCAAGTTTCACCACCAGTCAT
 TGCAGGTAGGGTTCTTTACAGTCTACTCCCGAACTCCATCAAAGACCATAACAATATCTGAAAGTGGT
 GTTATTGGATCAACTTTAAATTCTACAACACAGACACCAATAAAATAGCCATCTCACCTTTGAAATCGC
 CAAATAAGGCAGTGAATCAACTGTGCAGACCATCACTGTTGGAGGAGTGAGCACATCACAGTTTAAGAC
 AATTATTCTCTGGCAACTGCTCCCAATGTCCAGCAGATTCAAGTGCCTGGAAGCAAGTTTTCATTATGTC
 CGACTTGTTACTGCCACATCAGCCAGTAGCTCAACCCAGCCAGTTAGTCAGAATCCAGTACAAACACTC
 AGCCTCTTCAGCAAGCAAGCCAGTGGTTGTTAATAACACCCAGTGGGATGTCAGTTCCAATTGTCTC
 AGCTCAGGCTGTCAAACAAGTTGTTCCAAACCAATCAATCCAATTACAAAATAGTAAGTACTAGCCAG
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 CAGGCACTGTCTGGCACCAGTCCGGGAACAGGGAATGTGGGTTATGCAGTGTCTCCAGCTCAGTATGT
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 TGTAAGTAAGGAAGTAGCTGAAGCCACATGTAATTGCCTCTTGCCAGGCAGAGCAGGCAGACAAGAAG
 GGAAAATCAAAGGCAGCAGCGGAACGGATGATACTTGAGGAATTCGGACGATGTTTGATGAGTGTCAATCA
 ACTCTGCAGGAAAGGCAAAAAGTGACCCTTGTCGCATGAATTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

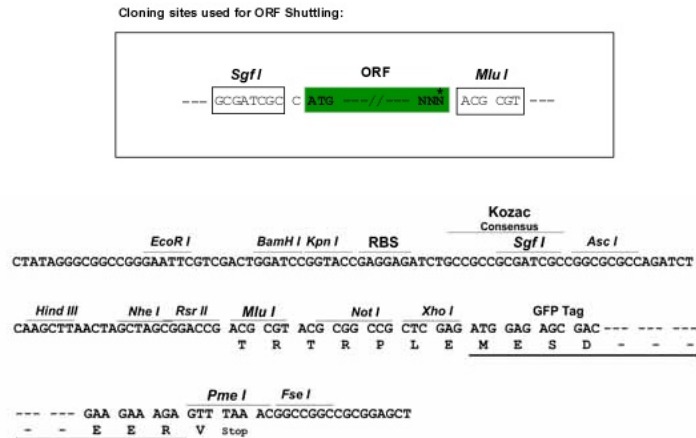
Protein Sequence: >RG225902 representing NM_001115007
 Red=Cloning site Green=Tags(s)

MEVVP AEI AKKPRTP TSGPVITKLIFAKPINSKAVTGQTTQVSPPIAGRVLSQSTPGTPSKTITISESG
 VIGSTLNSTTQTPNKIAISPLKSPNKAVKSTVQTITVGGVSTSQFKTIIPLATAPNVQIQVPGSKFHYV
 RLVTATSASSSTQPVSNPSTNTQPLQQAQPVVNTTPVRMSVPIVSAQAVKQVVPKPINPTSQIVTTSQ
 PQQRLIMPATPLPQIQPNLTNLPPGTVLAPAGTGNVGYAVLPAQYVYTLQSSYVSIASNSTFTGTSGI
 QTQARLPFNGIIPSESASRPKPCNCTKSLCLKLYCDFANGFECNNCNCNCTNYYNLEHENERQKAIKAC
 LDRNPEAFKPKIGKGEGESDRRHSKGCNCKRSGCLKNYCECYEAKIMCSSICKIGCKNFEEESPERKTL
 MHLADAAEVRVQQQTAATKLSSQISDLLTRPTPALNSGGGKLPTFTVKEVAEATCNCLLAQAEQADKK
 GKSKAAERMILEEFGRCLMSVINSAGKAKSDPCAMNC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001115007

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.

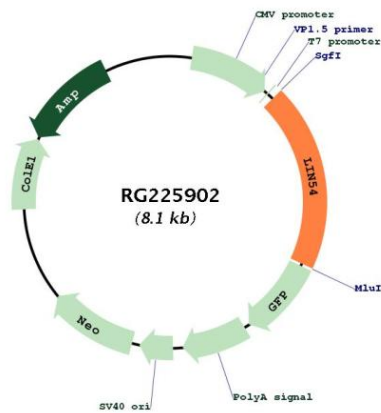
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001115007.2](#), [NP_00108479.1](#)

RefSeq Size: 5214 bp

RefSeq ORF:	1587 bp
Locus ID:	132660
UniProt ID:	Q6MZP7
Cytogenetics:	4q21.22
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 RG225902