

Product datasheet for **SC108522**

LIN7 (LIN7A) (NM_004664) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LIN7 (LIN7A) (NM_004664) Human Untagged Clone
Tag:	Tag Free
Symbol:	LIN7
Synonyms:	LIN-7A; LIN7; MALS-1; MALS1; TIP-33; VELI1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108522 sequence for NM_004664 edited (data generated by NextGen Sequencing)

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ATGCTGAAGCCGAGCGTCACTTCGGCTCCCACGGCAGACATGGCGACATTGACAGTGGTC
CAGCCGCTCACCCCTGGACAGAGATGTTGCAAGAGCAATTGAATTACTGGAAAACTACAG
GAATCTGGAGAAGTACCAGTGCACAAGCTACAATCCCTCAAAAAAGTGCTTCAGAGTGAG
TTTTGTACAGCTATTCGAGAGGTGATCAATATATGCATGAAACGATAACTGTTAATGGC
TGTCCCGAATTCCTGCGAGGGCAACAGCAAAGGCAACAGTTGCAGCTTTTGCAGCTAGT
GAAGGCCACTCCCACCCTCGAGTAGTTGAACTGCCAAAGACTGATGAAGGCCTTGGTTTT
AATGTGATGGGAGGAAAGGAGCAAAATCCCCATTTATCTCTCGCATAATTCCTGGA
GGGGTGGCTGAAAGACACGGAGGCCTCAAAGAGGAGACCAGCTGCTATCAGTGAACGGA
GTGAGTGTGGAAGGAGAACACCATGAGAAAGCTGTGGAATACTCAAGGCTGCTAAAGAC
AGCGTCAAGCTGGTGGTGCATACACCCAAAAGTTCTGGAAGAAATGGAGGCTCGCTTT
GAAAAGCTACGAACAGCCAGGCGTCGGCAGCAGCAATTGCTAATTCAGCAGCAGCAA
CAGCAGCAGCAGCAACAACACAACAAAACCCACATGTCATAG
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Clone variation with respect to NM_004664.2



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004664 unedited TGCTGATGCTGAAGCCGAGCGTCACTTCGGCTCCCACGGCAGNACATGGCGACATTGACA GTGGTCCAGCCGCTCACCTGGACAGNAGATGTTGCAAGNAGCAATTGAATTACTGGNAA AAACTACAGGNAATCTGGNAGAAGTACCAGTGCACAAGCTACAATCCCTCAAAAAAGTGC TTCAGAGTGAGTTTTGTACAGCTATTCGAGAGGTGTATCAATATATGCATGAAACGATAA CTGTTAATGGCTGTCCCGAATTCGTCGAGGGCAACAGCAAAGGCAACAGTTGCAGCTT TTGCAGCTAGTGAAGCCACTCCACCCCTCGAGTAGTTGAACTGCCAAAGACTGATGAAG GCCTTGGTTTTAATGTGATGGGAGGAAAGGAGCAAAATTCCTCCATTATATCTCTCGCA TAATTCCTGGAGGGTGGCTGAAAGACACGGAGGCCTCAAAGAGGAGACCAGCTGCTAT CAGTGAACGGAGTGAGTGTGGAAGGAGAACACCATGAGAAAGCTGTGGAAGTACTCAAGG CTGCTAAAGACAGCGTCAAGCTGGTGGTGCATACACCCCAAAAGTTCTGGAAGAAATG GANGCTCGCTTTGAAAAGCTACGAACAGCCAGGCGTCGGCAGCAGCAGCAATTGCTAAT TCAGCAGCAGCAACAGCAGCAGCAACAAACAACAAACCACATGTCATTAGGCC TTGANGGAAAGCTACTTGATCAACATCCGATAGTCACAATTTG
Restriction Sites:	NotI-NotI
ACCN:	NM_004664
Insert Size:	6220 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_004664.2 , NP_004655.1
RefSeq Size:	1235 bp
RefSeq ORF:	702 bp
Locus ID:	8825
UniProt ID:	O14910
Cytogenetics:	12q21.31
Domains:	PDZ, L27
Protein Families:	Druggable Genome

Gene Summary:

The protein encoded by this gene is involved in generating and maintaining the asymmetric distribution of channels and receptors at the cell membrane. The encoded protein also is required for the localization of some specific channels and can be part of a protein complex that couples synaptic vesicle exocytosis to cell adhesion in the brain. [provided by RefSeq, May 2016]

Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.