

Product datasheet for SC124017

Nebulette (NEBL) (NM_006393) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nebulette (NEBL) (NM_006393) Human Untagged Clone
Tag:	Tag Free
Symbol:	Nebulette
Synonyms:	bA165O3.1; C10orf113; LASP2; LNEBL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC124017 sequence for NM_006393 edited (data generated by NextGen Sequencing)

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ATGAGGGTCCCTGTATTTGAGGATATAAAGATGAACTGAAGAAGAAAAGATAGGGGAA
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Clone variation with respect to NM_006393.2

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_006393 unedited
CAAATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGAGACGTCAG
CATCTCAGGGCACTGTGGTATGGAAAAGGACGCCACATGAGTAAATTTAAAAATATAAA
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AAGAAAAGATAGGGGAAGAAGAAAATGAAGAAGACCAGGTCTTCTATAAGCCTGTTATTG
AAGACTTAAGCATGGAATTGGCCAGAAAATGCACGGAACCTATTAGCGATATCCGTTATA
AAGAAGAGTTTAAAAAGTCCAAGGATAAGTGTACATTTGTGACTGACAGTCCTATGCTAA
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ATTTGATAATGGAATGGAAGGTAAGAAACATCCTTTCCATCCCTCTGGAAGTGCCCTTTT
TAAGCAGGATCAGCTTGCTGCTCCCTGGGCAGACATGGGAAAGTTCAAGAAAGGACCTT
CAA
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006393 unedited <pre> ACTTCCAGGCCAGGAGAGGCACTGGGGAGNGGTCACAGGGATGCCACCCGGGATCTGTTC AGGAAACAGCTATGACCGCGGCCGAATCTAGAGTCGAGTTTTTTTTTGGTTTTTTTTT ACGTCAGAGACTTTTATTTTAGCATCCTTGTCAGTTTACATAGCTTCTTACTTAACTAAA AGCTCTCCACCTCCATATCACCTTAACCAAAACAACCACAATCTAGCCACTTTTAGATT ATCAGAAGCAAATCGCTAAGGTATAATTAATTTATGAAGTGAAGTTCATCTTGTGTAGTG AATCCAGCCTCACAATTATTCTATCTTACAATAGGCATTTTAAATCCCAAATCTAAAGTT AATGTTTTATAGCTCAACTCTATATAAATCCACAAAGAACCTTTCAGAAATAGATGGAA GAAGTCGGCATTCTTCTAAAGTTCTAAATCTTTAGAGATAAAATACAATCAGCTAACACCT TTAATATCTGAGGAGCATCCCACTTCCCTACCACAAAAATATCAATCATGTGTAATAAAA TATTACTATAGAATAGGCAGCAACTTGCTTGCTTGGTTTTCTTTCCAAGAGCATACTAGA CAAACAAGAGTAATCAAAAAGGCACCTATATTTGTATATATCTGTATTACAGTTTGGTA TATCTTTTATCCACTTTCTATAGGGATGTGTTATTAAGATCACACACATTTTCTTCATC TTTTATTGAAAA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_006393
Insert Size:	7500 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:	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:	<u>NM_006393.1</u> , <u>NP_006384.1</u>
RefSeq Size:	8034 bp
RefSeq ORF:	3045 bp
Locus ID:	10529
UniProt ID:	<u>O76041</u>
Cytogenetics:	10p12.31

Gene Summary:

This gene encodes a nebulin like protein that is abundantly expressed in cardiac muscle. The encoded protein binds actin and interacts with thin filaments and Z-line associated proteins in striated muscle. This protein may be involved in cardiac myofibril assembly. A shorter isoform of this protein termed LIM nebulin is expressed in non-muscle cells and may function as a component of focal adhesion complexes. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2010]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). This isoform (1) is also known as the sarcomeric isoform.