

## Product datasheet for **SC328355**

### Nebulette (NEBL) (NM\_001173484) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nebulette (NEBL) (NM_001173484) Human Untagged Clone
Tag:	Tag Free
Symbol:	NEBL
Synonyms:	bA165O3.1; C10orf113; LASP2; LNEBL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001173484, the custom clone sequence may differ by one or more nucleotides ATGAACCCCCAGTGCGCCGTTGCGGAAAAGTCGTGTATCCCACCGAGAAAGTCAACTGC CTGGATAAGTATTGGCATAAAGGATGTTTCCATTGTGAGGTCTGCAAGATGGCACTCAAC ATGAACAACACTACAAGGCTATGAAAAGAAGCCCTATTGTAATGCACACTACCCGAAGCAG TCCTTCACCACGGTGGCAGATACACCTGAAAATCTTCGCCTGAAGCAGCAAAGTGAATTG CAGAGTCAGGTCAAGTACAAAAGAGATTTTGAAGAAAAGCAAAGGGAGGGGCTTCAGCATC GTCACGGACTCCTGAGCTACAGAGACTGAAGAGGACTCAGGAGCAAATCAGTAATGTA AAATACCATGAAGATTTTGA AAAAACAAGGGGAGAGGCTTTACTCCCGTCGTGGACGAT CCTGTGACAGAGAGTGAAGAAACACCCAGGTGGTCAGCGATGCTGCCTATAAAGGG GTCCACCCTCACATCGTGGAGATGGACAGGAGACCTGGAATCATTGTTGCACCTGTTCTT CCCGGAGCCTATCAGCAAAGCCATTCCCAAGGCTATGGCTACATGCACCAGACCAGTGTG TCATCCATGAGATCAATGCAGCATTACCAAATCTAGACCTACCGAGCCATGTACGATTA CAGTGCCCAAGGATGA
Restriction Sites:	Please inquire
ACCN:	NM_001173484
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.



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001173484.1, NP_001166955.1</u>
<b>RefSeq Size:</b>	6954 bp
<b>RefSeq ORF:</b>	675 bp
<b>Locus ID:</b>	10529
<b>UniProt ID:</b>	<u>O76041</u>
<b>Cytogenetics:</b>	10p12.31
<b>Gene Summary:</b>	<p>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 nebulette 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]</p> <p>Transcript Variant: This variant (3) differs in the 5' and 3' UTR and has multiple coding region differences, compared to variant 1. These differences cause translation initiation at an alternate start codon and result in a frameshift. The encoded isoform (3) is shorter and has distinct N- and C-termini, compared to isoform 1.</p>