

## Product datasheet for **SC205822**

### Nebulin (NEB) (NM\_004543) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** Nebulin (NEB) (NM\_004543) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** NEB  
**Synonyms:** AMC6; NEB177D; NEM2  
**ACCN:** NM\_004543  
**Insert Size:** 451 bp  
**Insert Sequence:** >SC205822 3'UTR clone of NM\_004543  
The sequence shown below is from the reference sequence of NM\_004543. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTCCCAGCCAACACTACGTTGAAGCTATTTAGGCATTTCAAAGCATCACACTTGTCTGCAGGACTTACAGA
TCCTGCAGTCAATGTTTCGGTTTTAGACTCTCCACTGTTACCTAAGTTCTCAAGCTGCCTATGGTTTTTC
TGTGTCAATGTGATTTATGGTAGTACCATCCTTTCTCCTTTGGGTTTTAAATAAGTTGCAGAACAGAC
ACTTTAAAAGCTTCTGCAATATTATTTCTGTGCCTAGAGTCTTTCTCATTATAAACATGTTTTAACAT
TATTTCTTTTCTAAAACAGGGATTTTGAATATGCCAAACACATTAAGGAAAAATAGCAGAGATGTTCA
CCTTTTCCTTGCTGATTGCTAATGCTTATTATTCTAATTCAAGTTCTGAAGTTATAAACTTATAATCAA
TACAAACCAGCAACTAATAAACCTCTAATTCTGCAA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

**Restriction Sites:** Sgfl-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_004543.5](#)



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**Summary:**

This gene encodes nebulin, a giant protein component of the cytoskeletal matrix that coexists with the thick and thin filaments within the sarcomeres of skeletal muscle. In most vertebrates, nebulin accounts for 3 to 4% of the total myofibrillar protein. The encoded protein contains approximately 30-amino acid long modules that can be classified into 7 types and other repeated modules. Protein isoform sizes vary from 600 to 800 kD due to alternative splicing that is tissue-, species-, and developmental stage-specific. Of the 183 exons in the nebulin gene, at least 43 are alternatively spliced, although exons 143 and 144 are not found in the same transcript. Of the several thousand transcript variants predicted for nebulin, the RefSeq Project has decided to create three representative RefSeq records. Mutations in this gene are associated with recessive nemaline myopathy. [provided by RefSeq, Sep 2009]

**Locus ID:**

4703

**MW:**

16.9