

Product datasheet for **SC216811**

Neurofilament (NEFL) (NM_006158) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Neurofilament (NEFL) (NM_006158) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	NEFL
Synonyms:	CMT1F; CMT2E; CMTDIG; NF-L; NF68; NFL; PPP1R110
ACCN:	NM_006158
Insert Size:	1885 bp



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Insert Sequence: >SC216811 3'UTR clone of NM_006158
 The sequence shown below is from the reference sequence of NM_006158. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAGGAACAAGCAGCTAAGAAGAAAGATTGAACCCCATTTCTTAATTATTTTCAGGAATAATTCTCCCG
AAATCAGGTCAACCCCATCACCAACCAACCAACAGTTGAGTTCCAGATTCTATGTGAATAAAAAGTC
AATATATGTATAATTCTGAGATGACTTAGGTTGGACATTCAATGTTGTGCTATGAATTTCTCTTTATG
CAGAGTATCTGTTTGCTTGACAGAGTGGCTTTTGGCTTGCTGCCAGCCTGTGCATGGACCACGCTTATG
AGTTCAGGATCTACGGCAATGTGAATCATTAGATGTTTACAATAAAAAACACCACATGAGTAAATGAA
TTCATAATGTTAATGTTAACTTCATGGAAAAATAGTCTTTGAACCTTCGGTGGTTAGCAATTAAG
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AATGAGAAAGTCTATAAATAACAATAGACTTTGCCTCATAACACGTGTTGTGTTAGGTTTTGGGATGGC
TTTCTAGGGAGCAATTCTGAAATTACTTGACAGATACACTCTTTATGGTAAACAGGTCATTTTCAGAGTC
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ACTGGTTGGACATTGCATCAAATACACGCCCATGTATCCTTTCTGTCGTAAGTTAAGAACGCTCTTG
CATTTGATGTGGAATAAATATAGATGATTAATCTGCTATTCTGCCTTTGTTCTGAAACAATTGCT
TTGTCAGCTAATTTCAATATTTGTTTTTAGACGATCTCTATAAGTTATTAATTTAACCTGAAAC
CAAAGTGGTCTCCATTTAAAGTTACTTAATCCCTTTGTACCACCTATTTCTAGTTAAATATATGTTGCT
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ATAAAATAGTAAAAAACCTAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-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_006158.5](#)

Summary: Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and they functionally maintain the neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. This gene encodes the light chain neurofilament protein. Mutations in this gene cause Charcot-Marie-Tooth disease types 1F (CMT1F) and 2E (CMT2E), disorders of the peripheral nervous system that are characterized by distinct neuropathies. A pseudogene has been identified on chromosome Y. [provided by RefSeq, Oct 2008]

Locus ID: 4747

MW: 72.2