

Product datasheet for **SC107909**

NELFE (NM_002904) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NELFE (NM_002904) Human Untagged Clone
Tag:	Tag Free
Symbol:	NELFE
Synonyms:	D6S45; NELF-E; RD; RDBP; RDP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002904, the custom clone sequence may differ by one or more nucleotides

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ATGTTGGTGATACCCCCGGACTGAGCGAGGAAGAGGAGGCTCTGCAGAAGAAATCAACAAGCTCAAGA
AAAAGAAAAGGCATTGCTGGCTCTGAAGAAGCAAAGTAGCAGCAGCACAAACCAGCCAAGGTGGTGTCAA
ACGCTCACTATCAGAGCAGCCTGTGATGGACACAGCCACAGCAACAGAGCAGGCAAAGCAGCTGGTGAAG
TCAGGAGCCATCAGTGCCATCAAGGCTGAGACCAAGAAGCTCAGGCTTCAAGCGTTCTCGAACCTTGAGG
GGAAGTTAAAGGACCCCGAGAAGGGACCAGTCCCCTTTCCAGCCGTTCCAGAGGAGCATATCTGCTGA
TGATGACCTGCAAGAGTCATCCAGACGTCCCAGAGGAAATCTCTGTATGAGAGCTTTGTGCTTCTAGT
GATCGACTTCGAGAACTAGGACCAGATGGAGAAGAGGCAGAGGGCCAGGGGCTGGTGTGTTCCCTC
GAAGCTTTGACTGGGGCTATGAAGAACGAGTGGTGCCCACTCCTCAGCCTCCCTCCCGAAGCCGCGAG
CCGGGACCGCAGCCATGAGAGGAACCGGGACAGAGACCGAGATCGGGAGCGGGATCGAGACCGGGATCGA
GACAGAGACAGAGAGCGGGACAGGGATCGGGATCGGGATCGAGATCGAGACCGGGAACCGGACAGGGATC
GGGAGCGGGATCGAGACCGAGACCGAGAGGGTCTTTCCGAGGTGCGATTATTCCCTGAACGGCGAGC
CCCTAGGAAAGGGAATACTCTATGTATATGGAGAAGACATGACACCCACCTTCTCCGTGGGGCCTTC
TCTCCTTTGGAAACATCATTGACCTCTCCATGGACCCACCCAGAAACTGTGCCTTCGTACCTATGAAA
AGATGGAGTCAGCAGATCAGGCCGTTGCTGAGCTCAACGGGACCCAGGTGGAGTCTGTACAGCTCAAAGT
CAACATAGCCCGAAAACAGCCCATGCTGGATGCCGCTACTGGCAAGTCTGTCTGGGGCTCCCTCGCTGTC
CAGAACAGCCCTAAGGGTTGCCACCGGACAAGAGGACCCAGATTGTCTACAGTGATGACGTCTACAAGG
AAAACCTTGTGGATGGCTTCTAG

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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_002904 unedited
AGGATTTTGTAAATACGACTTCACTATAGGGCGGCCGGAATTCGCACGAGGGTTGCCGCC
CCCTCGGGAGCCACCATGTTGGTGATACCCCCGGACTGAGCGAGGAAGAGGAGGCTCTG
CAGAAGAAATTCAACAAGCTCAAGAAAAAGAAAAGGCATTGCTGGCTCTGAAGAAGCAA
AGTAGCAGCAGCACAAACCAGCCAAGGTGGTGTCAAACGCTCACTATCAGAGCAGCCTGTC
ATGGACACAGCCACAGCAACAGAGCAGGCAAAGCAGCTGGTGAAGTCAGGAGCCATCAGT
GCCATCAAGGCTGAGACCAAGAACTCAGGCTTCAAGCGTTCTCGAACCTTGAGGGGAAG
TTAAAGGACCCCGAGAAGGGACCAGTCCCCTTTCCAGCCGTTCCAGAGGAGCATATCT
GCTGATGATGACCTGCAAGAGTCAATCCAGACGTCCCCAGAGGAAATCTCTGTATGAGAGC
TTTGTGCTTCTAGTGATCGACTTCGAGAACTAGGACCAGATGGAGAAGAGGCAGAGGGC
CCAGGGGCTGGTGTGGTCCCCCTCGAAGCTTTGACTGGGGCTATGAAGAACGCAGTGGT
GCCACTCCTCAGCCTCCCCTCCCCGAAGCCGACGCCGGGACCGCAGCCCTGAGAGGAAC
CGGGACAGAGACCAGATCGGGAGCGGGATCGAGACCGGGATCGAGACAGAGACAGAGAG
CGGGACAGGGATCGGGATCGGGATCGAGATCGAGACCGGGAACGGGACAGGGATCGGGAG
CGGGATCGAGACCGAGACCGAGAGGGTCTTTCCGCNAGTCGGATTTCATCCCTGAACGG
CGAGCCNCTAGAAAGGGAATACTCTATGTATATGGAGGAAGAATGACACCCACCCCTC
CTCCGTGGGGCCTTTCTCTCTTTTGGAAACATCATNGACCTCTCCATGGACCCACCCAN
AAACTGTGCCTTCGTACA
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3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_002904 unedited
GGCTTCCTTGCCCGCGGCCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTTAAAG
CTTCCACCTCAGTGTACTGAGACCAGCATTGCGGCATATGAGGCACAAGGAATCCAG
CTCTGTTCCCTAGAAGCCATCCACAAGGTTTTCTTGTAGACGTCACTGTAGACAAT
CTGGGTCTCTTGTCCCGTGGCAACCCTTAGGGCTGTTCTGGACAGCGAGGGAGCCCA
GACAGACTTGCCAGTAGCGGCATCCAGCATGGGCTGTTTTCGGGCTATGCTGACTTTGAG
CTGTACAGACTCCACCTGGGTCCCGTTGAGCTCAGCAACGGCCTGACCTGCTGACTCCAT
CTTTCCATAGGCGACGAAGGCACAGTTTCTGGGTGGGCCCATGGAGAGGCCAATGATGTT
CCCACCCGCACAGACCGCCCCACCGAGAACGGCGGCTGCCATGCCTTCTCCATATACATA
GACAGTATTCCCTTCTAGCGGCCCCCGTTACGCAATCAATCCGACCTCGGCAAAG
GACCCTCTCGGTCTCCGTCTCGATCCCCTCCGATCCCTGCTCCGCCCCCGGCTTGAT
CTCGATCCCGATCCCGATCCCTGTACCGCCCTGTCCCTGTCTCGATCCCGCCTCGAT
CCCGTCCCGACCTTGGCCTCTGTCCCGGCCCTCTCACGGGCTGCGGCCCCCGTTGCGGC
TCCCGCCAGGCGCCGTCCAGCATCGCCCCCTCGCCTTTTCTACCCCCCGCCACACCT
CCACGGGACCCCTCACCAGCCCCGTGGCCCCGGCCTTTCTCCATTGGGCCTCACTTTCCC
ACGCCCCCTGTACAACACCCGCCCTCCTCCAACACCTCCCTTGCGGCCCG
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Restriction Sites:

NotI-NotI

ACCN:

NM_002904

Insert Size:

1270 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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: [NM_002904.5](#), [NP_002895.3](#)

RefSeq Size: 1568 bp

RefSeq ORF: 1143 bp

Locus ID: 7936

UniProt ID: [P18615](#)

Cytogenetics: 6p21.33

Domains: RRM

Protein Families: Transcription Factors

Gene Summary: The protein encoded by this gene is part of a complex termed negative elongation factor (NELF) which represses RNA polymerase II transcript elongation. This protein bears similarity to nuclear RNA-binding proteins; however, it has not been demonstrated that this protein binds RNA. The protein contains a tract of alternating basic and acidic residues, largely arginine (R) and aspartic acid (D). The gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. [provided by RefSeq, Jul 2008]