

Product datasheet for **RC208658**

NELFE (NM_002904) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NELFE (NM_002904) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: NELFE
Synonyms: D6S45; NELF-E; RD; RDBP; RDP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC208658 representing NM_002904
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTGGTGATACCCCCGGACTGAGCGAGGAAGAGGAGGCTCTGCAGAAGAAATCAACAAGCTCAAGA
 AAAAGAAAAGGCATTGCTGGCTCTGAAGAAGCAAAGTAGCAGCAGCACAAACCAGCCAAGGTGGTGTCAA
 ACGCTCACTATCAGAGCAGCCTGTCATGGACACAGCCACAGCAACAGAGCAGGCAAAGCAGCTGGTGAAG
 TCAGGAGCCATCAGTGCCATCAAGGCTGAGACCAAGAAGCTCAGGCTTCAAGCGTTCTCGAACCTTGAGG
 GGAAGTTAAAGGACCCCGAGAAGGGACAGTCCCCTTCCAGCCGTTCCAGAGGAGCATATCTGCTGA
 TGATGACCTGCAAGAGTCATCCAGACGTCCCAGAGGAAATCTCTGTATGAGAGCTTTGTGCTTCTAGT
 GATCGACTTCGAGAACTAGGACCAGATGGAGAAGAGGCAGAGGGCCAGGGGCTGGTGATGGTCCCCCTC
 GAAGCTTTGACTGGGGCTATGAAGAACGCAGTGGTGCCCACTCCTCAGCCTCCCCCCCCGAAGCCGAG
 CCGGGACCGCAGCCATGAGAGGAACCGGGACAGAGACCGAGATCGGGAGCGGGATCGAGACCGGGATCGA
 GACAGAGACAGAGCGGGACAGGGATCGGGATCGGGATCGAGATCGAGACCGGGAACCGGACAGGGATC
 GGGAGCGGGATCGAGACCGAGACCGAGAGGGTCTTTCCGAGGTCGGATTCATTCCTGAACCGGCAGC
 CCCTAGGAAAGGGAATACTCTCTATGTATATGGAGAAGACATGACACCCACCTTCTCCGTGGGGCTTC
 TCTCCTTTTGGAAACATCATTGACCTCTCCATGGACCCACCCAGAACTGTGCCTCGTCACTATGAAA
 AGATGGAGTCAGCAGATCAGGCCGTTGCTGAGCTCAACGGGACCCAGGTGGAGTCTGTACAGCTCAAAGT
 CAACATAGCCCGAAAACAGCCCATGCTGGATGCCGCTACTGGCAAGTCTGTCTGGGGCTCCCTCGTGTG
 CAGAACAGCCCTAAGGGTTGCCACCGGGACAAGAGGACCCAGATTGTCTACAGTGATGACGTCTACAAGG
 AAAACCTTGTGGATGGCTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC208658 representing NM_002904
 Red=Cloning site Green=Tags(s)

MLVIPPGLSEEEALQKKFNKFKKKKALLALKKQSSSSTTSQGGVKRSLSEQPVMdTATATEQAKQLVK
 SGATSAIKAETKNSGFKRSRTLEGKLDPEKGPVPTFPFQRSISADDDLQESSRRPQRKSLYESFVSS
 DRRLRELGPDGEEAEGPGAGDPPRSFDWGYEERSGAHSSASPPRSRSDRSHERNRDRDRERDRDRDR
 DRDRERDRDRDRDRDRERDRDRERDRDRDRDREGPFRRSDSFERRAPRKGNTLYVYGEDMTPTLLRGAF
 SPFGNIIDL SMDPPRNC AFVTEKMESADQAV AELNGTQVESVQLKVNIARKQPMLDAATGKSVWGLAV
 QNSPKGCHRDKRTQIVYSDDVYKENVLDGF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_002904

ORF Size: 1140 bp

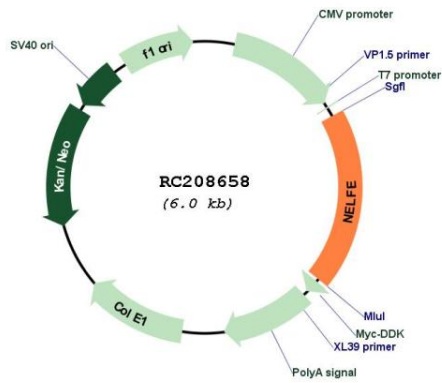
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<ol style="list-style-type: none">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_002904.6</u>
RefSeq Size:	1568 bp
RefSeq ORF:	1143 bp
Locus ID:	7936
UniProt ID:	<u>P18615</u>
Cytogenetics:	6p21.33
Domains:	RRM
Protein Families:	Transcription Factors
MW:	43.1 kDa
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]

Product images:



Circular map for RC208658