

Product datasheet for MR229518

Nelfe (NM_001045864) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Nelfe (NM_001045864) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Nelfe |
| Synonyms: | D17H6S45; NELF-E; RD; Rdbp |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR229518 representing NM_001045864 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC

ATGTTGGTGATACCTCCGGGGCTGAGTGAAGAGGAAGAGGCACTGCAGAAGAAGTTCAACAACTCAAGA
AGAAGAAAAGGCATTGCTGGCTCTGAAGAAGCAGAGCAGCAGCGGCCAGCGAGCCAGGGCGGTGTC
ACGCTCACTGTCAGAGCAGCCTGTGGTGGACACTGCCACAGCAACAGAACAGGCCAACTGGTGAAG
TCAGGAGCCATCAGTCCATCAAGGCTGAACTAAGAAGTCAAGGCTTCAAACGTTCTCGGACCCTGGAAG
GGAAGTTAAAGGACCCAGAGAAGGGCCTGTCCCCTTTCCAGCCGTTCCAGAGGAGCATGTCTGCTGA
TGAGGACCTACAGGAGCCATCCAGACGTCCCAGAGGAAATCTCTGTATGAAAGCTTTGTGCTTCTAGT
GATCGGCTTCGGGAAGTGGGACAAGATGGAGAAGAAGCAGAGGCCCCCGGGGCTGGTGTGGCCACCTC
GAGGCTTTGACTGGAGCTATGAAGAGCATGGTAGCGCCGCTCCTCAGCCTCCCCTCCCCGAAGCCGAG
CAGGGACCGAAGTCATGACCGGAGCCGAGATAGGGATCGGGACAAAGAGAGAGACAGAGACCGAGATCGA
GATCGAGACAGAGACCGGATAAAGACAAGACAGAGACCGGGATCGAGACAGAGACCGGGACCGAGATC
GGGAACGAGACCGAGAGGGCCCTTCCGAGGTCAGACTATTCCCCGAACGGAGGGCCCTCGAAAGGG
GAACACTGTATGTGTATGGAGAGGACATGACGCCACCCTCCTCCGCGGGCCTTCTCCTTTGGA
AATATCATCGACTCTCCATGGACCCACCCAGAACTGTCCCTTGTGACCTACGAGAAGATGGAGTCTG
CAGATCAGGCTGTTGCTGAGCTCAATGGACCCAGGTGGAATCTGTGACGCTTAAAGTCAACATAGCCCG
AAAACAGCCCATGCTGGACGCTGCTACTGGCAAATCTGTCTGGGCTCCCTTGTGTCCAGAACAGCCCT
AAGGGTTGCCATCGAGACAAGAGGACCCAGATTGTGTACAGTACGATCTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



[View online »](#)

Protein Sequence: >MR229518 representing NM_001045864
 Red=Cloning site Green=Tags(s)

MLVIPPGLSEEEALQKKFNKFKKKKALLALKKQSSSGPASQGGVKRSLSEQPVVDTATATEQAKQLVK
 SGATSAIKAETKNSGFKRSRTLEGKLDPEKGPVPTFQPFQSRMSADELQEPSRRPQRKSLYESFVSS
 DRRLRELQDGEAEAPGAGDGPGRGFDWSYEEHGSARSSASPPRSRSDRSHDRSRDRDRDKERDRDRDR
 DRDRDRDKDKDRDRDRDRDRDRDRDRDREGPFRRSDSFERRAPRKGNTLYVYGEDMTPTLLRGAFSPFG
 NIIDLSDPPRNCAFTVYEKMESADQAVAEANGTQVESVQLKVNARKQMLDAATGKSVWGLAVQNSP
 KGCHDRKRTQIVYSDDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001045864

ORF Size: 1101 bp

OTI Disclaimer: 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:

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_001045864.1](#), [NP_001039329.1](#)

RefSeq Size: 1621 bp

RefSeq ORF: 1104 bp

Locus ID: 27632

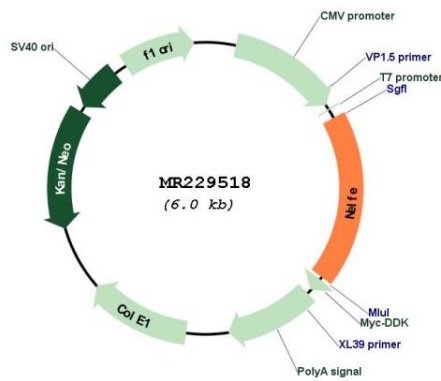
UniProt ID: [P19426](#)

Cytogenetics: 17 18.4 cM

MW: 41.5 kDa

Gene Summary: Essential component of the NELF complex, a complex that negatively regulates the elongation of transcription by RNA polymerase II (By similarity). The NELF complex, which acts via an association with the DSIF complex and causes transcriptional pausing, is counteracted by the P-TEFb kinase complex (By similarity). Provides the strongest RNA binding activity of the NELF complex and may initially recruit the NELF complex to RNA (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR229518