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Product datasheet for MC227307

Nelfe (NM_001045864) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nelfe (NM_001045864) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nelfe
Synonyms:	D17H6S45; NELF-E; RD; Rdbp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC227307 representing NM_001045864
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTGGTGATACCTCCGGGGCTGAGTGAAGAGGAAGAGGCACTGCAGAAGAAGTTCAACAAACTCAAGA
AGAAGAAAAAGGCATTGCTGGCTCTGAAGAAGCAGAGCAGCAGCGGCCCAGCGAGCCAGGGCGGTGTCAA
ACGCTCACTGTCAGAGCAGCCTGTGGTGGACACTGCCACAGCAACAGAACAGGCCAAACAACTGGTGAAG
TCAGGAGCCATCAGTGCCATCAAGGCTGAAACTAAGAACTCAGGCTTCAAACGTTCTCGGACCCTGGAAG
GGAAGTTAAAGGACCCAGAGAAGGGGCCTGTCCCCACTTTCCAGCCGTTCCAGAGGAGCATGTCTGCTGA
TGAGGACCTACAGGAGCCATCCAGACGTCCCCAGAGGAAATCTCTGTATGAAAGCTTTGTGTCTTCTAGT
GATCGGCTTCGGGAACTGGGACAAGATGGAGAAGAAGCAGAGGCCCCCGGGGCTGGTGATGGCCCACCTC
GAGGCTTTGACTGGAGCTATGAAGAGCATGGTAGCGCCCGCTCCTCAGCCTCCCCTCCCCGAAGCCGCAG
CAGGGACCGAAGTCATGACCGGAGCCGAGATAGGGATCGGGACAAAGAGAGAGACAGAGACCGAGATCGA
GATCGAGACAGAGACCGGGATAAAGACAAAGACAGAGACCGGGATCGAGACAGAGACCGGGACCGAGATC
GGGAACGAGACCGAGAGGGCCCTTTCCGCAGGTCAGACTCATTCCCCGAACGGAGGGCCCCTCGAAAGGG
GAACACACTGTATGTGTATGGAGAGGACATGACGCCCACCCTCCTCCGCGGGGCCTTCTCTCCCTTTGGA
AATATCATCGACCTCTCCATGGACCCACCCAGAAACTGTGCCTTCGTCACCTACGAGAAGATGGAGTCTG
CAGATCAGGCTGTTGCTGAGCTCAATGGGACCCAGGTGGAATCTGTGCAGCTTAAAGTCAACATAGCCCG
AAAACAGCCCATGCTGGACGCTGCTACTGGCAAATCTGTCTGGGGCTCCCTTGCTGTCCAGAACAGCCCT
AAGGGTTGCCATCGAGACAAGAGGACCCAGATTGTGTACAGTGACGATCTATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites: SgfI-MluI

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ACCN:	NM_001045864
Insert Size:	1104 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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
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] Transcript Variant: This variant (3) has an alternate splice site in the 5' UTR, compared to variant 1. Variants 1 and 3 encode the same protein.

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