

Product datasheet for **RR216498**

Nelfe (NM_001165901) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nelfe (NM_001165901) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nelfe
Synonyms: Rd; Rdbp
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216498 representing NM_001165901
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTGGTGATACCTCCGGGGCTGAGTGAAGAGGAAGAGGCACTACAGAAGAAATTCACAAACTCAAGA
AAAAGAAAAGGCGTTGCTGGCTCTGAAGAAGCAAAGCAGCAGTGGTACAGCGAGCCAGGGCGGTGTCAA
GCGCTCACTGTGAGCAGCCTGTGGTGGATACTGCCACAGCAACAGAACAGGCCAAACAGCTGGTGAAG
TCAGGAGCTATCAGTGCCATCAAGGCTGAAACTAAGAAGCTCAGGCTTCAAACGTTCTCGGACCCTGGAA
GGAAGTTAAAGGACCCAGAGAAGGGGCCTGTCCACCTTCCAGCCGTTCCAGAGGAGCATGTCTGCTGA
CGAGGACCTACAGGAGCCATCCAGACGGCCCAAGGAAATCTCTGTATGAAAGCTTTGTGCTTCTAGT
GATCGGCTTCGGGAAGTGGGACAAGATGGAGAAGAAGCAGAGGCCCTGGGGCTGGTGAAGGCCACCTC
GAGTTTTGACTGGAGCTATGAAGAACACAGCGGTGCCGATCCTCAGCCTCCCTCCCGAAGCCGAG
CCGGGACAGAAGTCATGATCGGAGCCGAGATAGGGACCGGGACAAAGAACGAGACAGAGACCGGGATCGA
GACAGAGAACGGGACAAAGACAAAGACAGAGACCGGGACCGGGACAGAGACAAAGAGCGGGACAGAGACA
GGGACCGGGAGCGAGACCGAGAGGGCCCTTTCCGTAGGTCAGACTATTCCCGAAGCGAGGGCCCTCG
AAAGGGGAACACTCTGTATGTGTATGGAGAGGACATGACGCCACCCTCCTCCGAGGGGCCTTCTCTCC
TTTGAAAATATCATCGACCTCTCCATGGACCCACCCAGAAACTGTGCCTTCGTCACCTACGAGAAGATGG
AGTCAGCAGATCAGGCTGTTGCTGAGCTCAATGGGACCCAGTGGAATCTGTGCAGCTCAAAGTCAACAT
AGCCCCAAAACAGCCCATGCTGGACGCTGCTACTGGCAAATCTGTCTGGGGCTCCCTGTGCTCCAGAAC
AGCCCCAAGGTTGCCACCGGGACAAGAGGACCCAGATTGTGTACAGTGACGATCA

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216498 representing NM_001165901
 Red=Cloning site Green=Tags(s)

MLVIPPGLSEEEALQKFNKFKKKKALLALKKQSSSGTASQGGVKRSLSEQPVVDTATATEQAKQLVK
 SGATSAIKAETKNSGFKRSRTLEGKLDPEKGPVPTFQPFQSRMSADELQEPSSRRPQRKSLYESFVSS
 DRLRELGDGEEAEAPGAGEGPPRPFWDVSYEEHSGARSSA SPPRSRDRSHDRDRDRDKERDRDR
 DRERDKDKDRDRDRDKERDRDRDRERDREGPFRSDFPERRAPRKGNLTVYVGEDMPTLLRGAFSP
 FGNIIDLSMDPPRNCASFVYKEMESADQAVAEANGTQVESVQLKVNIARKQPMLDAATGKSYWGLAVQN
 SPKCHRDKRTQIVYSDDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

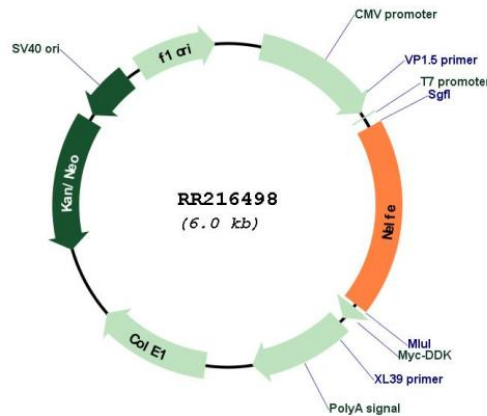
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001165901

ORF Size:	1107 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:	<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:	NM_001165901.1 , NP_001159373.1
RefSeq Size:	1312 bp
RefSeq ORF:	1110 bp
Locus ID:	294258
Cytogenetics:	20p12
MW:	41.8 kDa