

Product datasheet for RR215248

Nelfe (NM_212548) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nelfe (NM_212548) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nelfe
Synonyms:	Rd; Rdbp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR215248 representing NM_212548 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGGTGATACCTCCGGGCTGAGTGAAGAGGAAGAGGCACTACAGAAGAAATTCACAAACTCAAGA
AAAAGAAAAGGCGTTGCTGGCTCTGAAGAAGCAAAGCAGCAGTGGTACAGCGAGCCAGGGCGGTGTCAA
GCGCTCACTGTCAGAGCAGCCTGTGGTGGATACTGCCACAGCAACAGAACAGGCCAAACAGCTGGTGAAG
TCAGGAGCTATCAGTGCCATCAAGGCTGAAACTAAGAAGCTCAGGCTTCAAACGTTCTCGGACCCTGGAAG
GGAAGTTAAAGGACCCAGAGAAGGGCCTGTCCCACCTTCCAGCCGTTCCAGAGGAGCATGTCTGCTGA
CGAGGACCTACAGGAGCCATCCAGACGGCCCAAAGGAAATCTCTGTATGAAAGCTTTGTGCTTCTAGT
GATCGGCTTCGGGAAGTGGGACAAGATGGAGAAGAAGCAGAGGCCCTGGGGCTGGTGAAGGCCACCTC
GAGTTTTGACTGGAGCTATGAAGAACACAGCGGTGCCGATCCTCAGCCTCCCCTCCCCGAAGCCGAG
CCGGGACAGAAGTCATGATCGGAGCCGAGATAGGGACCGGGACAAAGAACGAGACAGAGACCGGGATCGA
GACAGAGAACGGGACAAAGACAAAGACAGAGACCGGGACCGGGACAGAGACAAAGAGCGGGACAGAGACA
GGGACCGGGAGCGAGACCGAGAGGGCCCTTCCGTAGGTCAGACTCATTCCCCGAACGGAGGGCCCTCTC
AAAGGGAAACTCTGTATGTGTATGGAGAGGACATGACGCCACCCTCCTCCGAGGGCCCTCTCTCCC
TTTGAAATATCATCGACCTCTCATGGACCCACCCAGAAACTGTGCCTTCGTACCTACGAGAAGATGG
AGTCAGCAGATCAGGCTGTTGCTGAGCTCAATGGGACCCAGGTGGAATCTGTGCAGCTCAAAGTCAACAT
AGCCCCAAAACAGCCCATGCTGGACGCTGCTACTGGCAAATCTGTCTGGGGCTCCCTTGCTGTCCAGAAC
AGCCCCAAGGTTGCCACCGGGACAAGAGGACCCAGATTGTGTACAGTGACGATCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR215248 representing NM_212548
 Red=Cloning site Green=Tags(s)

MLVIPPGLSEEEALQKKFNKFKKKKALLALKKQSSSGTASQGGVKRSLSEQPVVDTATATEQAKQLVK
 SGATSAIKAETKNSGFKRSRTLEGKLDPEKGPVPTFQPFQSRMSADELQEPSRRPQRKSLYESFVSSS
 DRLRELQDGEAEAPGAGEGPPRGFDWSYEEHSGARSSASPPRSRSDRSHDRSRDRDRDKERDRDRDR
 DRERDKDKDRDRDRDKERDRDRDRERDREGPFRSDFPERRAPRKGNLTVYVGEDMPTLLRGAFSP
 FGNIDLSMDPPRNCAFVTYEKMESADQAVAEANGTQVESVQLKVNIARKQPLDAATGKSYWGLAVQN
 SPKGCHRDKRTQIVYSDDL

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_212548

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:**
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_212548.2, NP_997713.1

RefSeq Size: 1344 bp

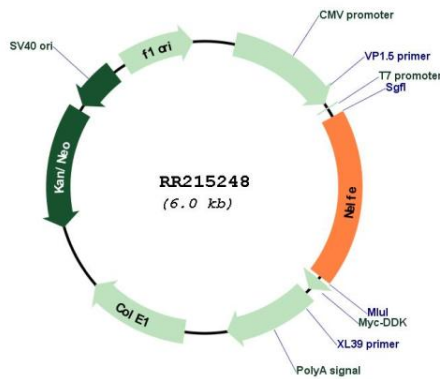
RefSeq ORF: 1110 bp

Locus ID: 294258

Cytogenetics: 20p12

MW: 41.8 kDa

Product images:



Circular map for RR215248