

Product datasheet for **RR210092**

Nelfa (NM_001008339) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nelfa (NM_001008339) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nelfa
Synonyms:	Whsc2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR210092 representing NM_001008339
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCTTCCATGCGGGAGAGCGACACGGGCTGTGGCTGCACAACAACTGGGCGCCACGGACGAGCTGT
 GGGCGCCACCCAGCATCGCGTCCCTGCTCACCCTGCGGTATCGATAACATCCGCCTCTGCTTCCACCG
 CCTCTCATCGGCTGTGAAGCTCAAGCTGCTGCTCGGGACGCTGCATCTTCCGCGCCGACGGTGGATGAG
 ATGAAGGGCGCTCTGATGGATATCATCCAGCTGGCCACTCTGGACTCAGATCCCTGGGTCTCATGGTTG
 CTGACATTCTGAAGTCTTCCCTGACACAGGCTCCTTGAATCTGGACCTTGAGGAACAGAACCCCAATGT
 TCAAGACATCTTAGGAGAACTTAGAGAAAAAGTGAGTGAAGTGCAGGCGATCGGCCATGCTACCGTTGGAG
 TGCCAGTACCTGAACAAGATGCCCTGACCACCCTTGTGGTCCCCTACCCCGCCAGTGAAACATTTTC
 AGCTGAAGCGGAAACCTAAGAGTGCCACACTGCGGGCAGAACTGTACAGAAATCTACCGAGACAGCCCA
 GCAGCTGAAGAGGAGTGTGGGGTCCCATTCCACGCCAAGGGCCGGGGGTGCTCCGAAAGATGGACACT
 ACAACCCCTCTCAAAGGCATCCCGAAGCAAGCCCTTCAAGAGTCCACCCACACCCAGTGTCTTACGCC
 CTTCTGGGAACCGCACTCCAATACCACCTTCAAGGACGCCACTGCAGAAAGAAAGGGGTGTGAAGCTGCT
 GGATATTTCTGAGCTGAATACAGTTGGTGTGGCCGAGAGGCAAGAGGAGGAGGAAGACTTTAGACACA
 GAAGTGGTAGAAAAGCCCAAGGAAGAGACGGTTGTTGAAAATGCCACCCCTGACTATGCTGTGGCC
 TGGTGTCCACACAGAACTTGGGTCTCTGAACAGTGAGCAACACTGCCCTCCACAAGTTACCTGCCCTC
 TACACCCAGTGTGGTACCTGCCTCATCTACATCCCCAGCTCTGAGACTCCCCAGCTCCACCCTCCCGG
 GAAGCCAGCCGGCCACCTGAGGAACCCAGCGCCCAAGTCCCACACTGCCAACACAGTTTAAACAAAGGG
 CACCTATGTATAACAGTGGCCTGAGTCCAGCGACCCCAACACTGCAGCACCTGCCTCACCTCTGACACC
 TACTGCTCCCCCAGCTGTCACTCCCACTGCTCAGACACCCCAAGTGGCCATGGTGGCCCCACAGACCCAG
 GCCCGGCCCTGTTCAGCAGCAACCTAAGAAGAACTGTCCCTCACGAGAGAACAGATGTTTGTGCCC
 AGGAGATGTTCAAGACAGCAACAAGGTCACTCGGCCAGAGAAGGCCCTCATCTGGGCTTCATGGCTGG
 CTCTCGAGAAAACCCATGCCCGGAGCAAGGGGATGTGATCCAGATCAAGCTCAGCGAGCACACAGAGGAC
 CTGCCCAAGGCAGACGGCCAGGGCAGTACCACCATGCTAGTGGACACGGTGTTCGAGATGAACTATGCCA
 CAGGCCAGTGGACGCGCTTCAAGAAGTACAAGCCTATGACCAATGTGTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210092 representing NM_001008339
 Red=Cloning site Green=Tags(s)

MASMRESDTGLWLNKLGATDELWAPPISASLLTAVIDNIRLCFHRLSSAVKLKLLGLHLPRRTVDE
 MKGALMDIIQLATLSDPWVLMVADILKSFPDTSGLNLDLEEQNPVQDILGELREKVSECEASAMLP
 CQYLNKNALTTLAGPLTPPVKHFQKRPKSATLRAELLQKSTETAQQLKRSAGVPFHAKGRGLLRKMDT
 TTPLKGIPKQAPFRSPTTSPVSPSGNRTPIPPSRTPLQKERVKLLDISELNTVAGREARRRRLTDT
 EVVEKPTKEETVVENATPDYAAGLVSTQKLGSLNSEPTLPSTSYLPSTPSVVPASSYIPSETPPAPPSR
 EASRPPEEPSAPSPTLPTQFKQRAPMYNSGLSPATPTPAAPASPLTPTAPPVPTPTAQTTPPVAMVAPQTQ
 APAPVQQQPKKNLSLTREQMFAAQEMFKTANKVTRPEKALILGFMAGSRENPCPEQGDVIQIKLSEHTED
 LPKADGGGSTTMLVDTVFEMNYATGQWTRFKKYPMTNVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001008339

ORF Size: 1590 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_001008339.1](#), [NP_001008340.1](#)

RefSeq Size: 2215 bp

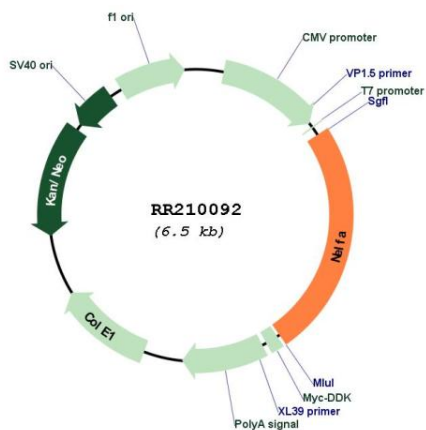
RefSeq ORF: 1593 bp

Locus ID: 305455

Cytogenetics: 14q21

MW: 57.5 kDa

Product images:



Circular map for RR210092