

## Product datasheet for **MR218896**

### **Nedd9 (NM\_017464) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nedd9 (NM_017464) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nedd9
Synonyms:	Cas-L; CasL; HEF1; MEF1; Nedd-9; p105
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR218896 representing NM\_017464  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGTACAAGAATCTTATGGCAAGGGCCTTGTATGACAACGTCCTGAGTGTGCTGAGGAGCTGGCCT  
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 CCTCCACGGTCGCCAAGGCATTGTCCCAGGGAACCGGGTGAAGCTTCTGATTGGTCCAGTCAAGAGACC  
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 CAAATCCAGGCAGCATCTCGGATACCATCTACCAAGTGCCACCCTCTACCAGAATCAGGGAATTTA  
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 TTTTAGCTATCAATAAGCCCAAAATAAGTGTGATGACCTAGACCGGTTTGTGATGGTCCCAAGACAGT  
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 AAATGGCCGCCCTCCACTACCCAGTACCACCGCTTGCAGGAAATGGTGCACCAGGTGACAGACCTGTC  
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**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
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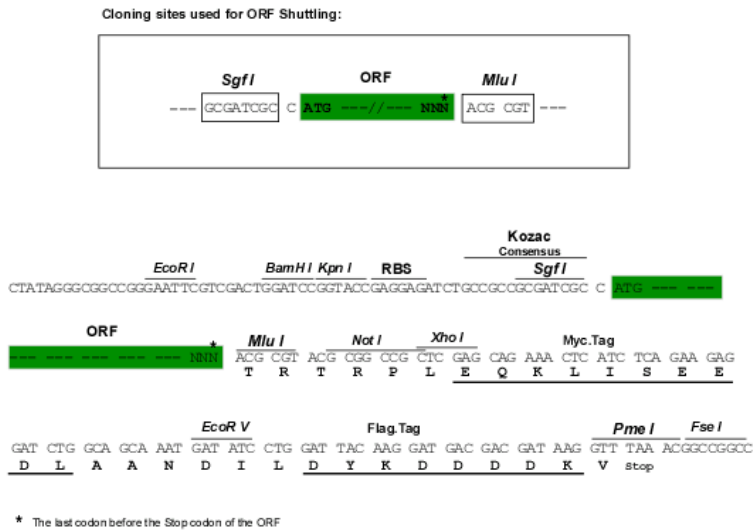
**Protein Sequence:** >MR218896 representing NM\_017464  
 Red=Cloning site Green=Tags(s)

MKYKNLMARALYDNVPECAEELAFRKGDILTVIEQNTGGLEGWWLCSLHGRQGI VPGNRVKLLIGPVQET  
 PGHEQPTPGPMHQTFFGQQLYQVPNSQAASRDITIQVPPSYQNQGIYQVPTGHGTPEQDVYQVPPSVQRN  
 IGGTNGPLL SKKVITPVRTGHGYVY EYPSRYQKDVYDVPPSHSTQGVYDIPPSSVKGPVFSVPVGEIKPQ  
 GYVDIPPTQGVYAIPPSACRDEAGLREKEYDFPPPMKQDGKPDTRPEGVYDIPPTSTKTAGKDLHIKFC  
 DAPGGVEPMARRHQSFSLHHAPSQLGQSGDTQSDAYDVPRGVQFLEVPTETSEKANPEERDGVYDVPLHN  
 PADAKGSRD VVDGINRLSFSSTGSTRSNMSTSSSTSSKESLSASPSQDKRLRLDPDTAIEKLYRLQQTLE  
 MGVCSLMSLVTTDWRCYGYMERHINEIRTAVDKVELFLREYLHF AKGALANASCLPELVLHNKMKRELQR  
 VEDSHQILSQTSHDLNECSWSLNILAINKPQNKCDLDRFVMVAKTVPDDAKQLTTTISTYAETLFRADP  
 ANSHLKNPNSIMNSSEYTHPGSQMQPLHPGDYKAQVHSKPLPPSLSKDQPPDCGSSDGSERSWMDYDY  
 VHLQKKEEFERQQKELLEKENIMKQSKAQL EHHQLSQFQLLEQEITKPVENDISKWKPSQSLPTTNN SVG  
 AQDRQLLCFYDQCETHFISLLNAIDALFSCVSSAQPPRIFVAHSKFVILSAHKL VFIGDTLTRQVAAQD  
 IRNKVRNSSNQLCEQLKTI VMATKMAALHYPSTTALQEMVHVQVTDLSRNAQLFKRSLLEMATF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

Cloning Scheme:



ACCN: NM\_017464

ORF Size: 2499 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\\_017464.5](#), [NP\\_059492.3](#)

**RefSeq Size:** 4384 bp

**RefSeq ORF:** 2502 bp

**Locus ID:** 18003

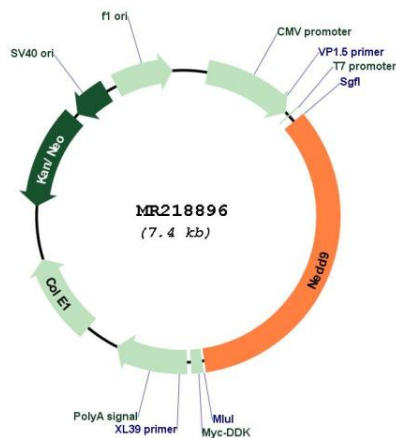
**UniProt ID:** [O35177](#)

**Cytogenetics:** 13 A3.3- A4

**MW:** 93.5 kDa

**Gene Summary:** Docking protein which plays a central coordinating role for tyrosine-kinase-based signaling related to cell adhesion. May function in transmitting growth control signals between focal adhesions at the cell periphery and the mitotic spindle in response to adhesion or growth factor signals initiating cell proliferation. May play an important role in integrin beta-1 or B cell antigen receptor (BCR) mediated signaling in B- and T-cells. Integrin beta-1 stimulation leads to recruitment of various proteins including CRK, NCK and SHPTP2 to the tyrosine phosphorylated form (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR218896