

## Product datasheet for **MG218896**

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

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nedd9 (NM_017464) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nedd9
Synonyms:	Cas-L; CasL; HEF1; MEF1; Nedd-9; p105
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG218896 representing NM\_017464  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGTACAAGAATCTTATGGCAAGGGCCTTGTATGACAACGTCCTGAGTGTGCTGAGGAGCTGGCCT  
 TCCGCAAGGGAGACATCTTAAGTGTATAGAGCAGAACACAGGAGGGCTTGAGGGATGGTGGCTGTGTTCC  
 CCTCCACGGTCGCCAAGGCATTGTCCCAGGGAACCGGGTGAAGCTTCTGATTGGTCCAGTCAAGAGACC  
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 GGGGGTTTATGACATCCCTCCAACCAGCACCAAGACAGCAGGCAAGGACCTTCACATCAAATTCCTGT  
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 AGCAGAGTAAGGCGCAGCTGGAGCATCACCAGCTGAGTCAGTTCAGCTGTTGGAACAAGAGATCACCAA  
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 GCTCAGGATAGGCAGTTGCTTTGCTTCTACTATGACCAGTGCAGAGCCATTTTCAATTCCTACTCAACG  
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 ATTCGCAACAAAGTCAGGAACCTCAGCAACCAGCTCTGCGAACAGCTCAAGACGATAGTATGGCGACCA  
 AAATGGCCGCCCTCCACTACCCAGTACCACCGCTTGCAGGAAATGGTGCACCAGGTGACAGACCTGTC  
 CAGAAATGCTCAGCTGTTAAGCGTTCTTGTGGAGATGGCCACCTTT

**ACGGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:** >MG218896 representing NM\_017464  
 Red=Cloning site Green=Tags(s)

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MKYKNLMARALYDNVPECAEELAFRKGDILTVIEQNTGGLEGWWLCSLHGRQGI VPGNRVKLLIGPVQET
PGHEQPTPGPMHQTFFGQQLYQVPNSQAASRDITIQVPPSYQNQGIYQVPTGHGTPEQDVYQVPPSVQRN
IGGTNGPLL SKKVITPVRTGHGYVY EYPSRYQKDVYDVPPSHSTQGVYDIPPSSVKGPVFSVPVGEIKPQ
GVYDIPPTQGVYAIPPSACRDEAGLREKEYDFPPPMKQDGKPDTRPEGVYDIPPTSTKTAGKDLHIKFC
DAPGGVEPMARRHQSFSLHHAPSQLGQSGDTQSDAYDVPRGVQFLEVPTETSEKANPEERDGVYDVPLHN
PADAKGSRD VVDGINRLSFSSTGSTRSNMSTSSSTSSKESLSASPSQDKRLRLDPDTAIEKLYRLQQTLE
MGVCSLMSLVTTDWRCYGYMERHINEIRTAVDKVELFLREYLHF AKGALANASCLPELVLHNKMKRELQR
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VHLQKKEEFERQQKELLEKENIMKQSKAQL EHHQLSQFQLLEQEITKPVENDISKWKPSQSLPTTNN SVG
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IRNKVRNSSNQLCEQLKTI VMATKMAALHYPSTTALQEMVHVQVTDLSRNAQLFKRSLLEMATF
  
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI



**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

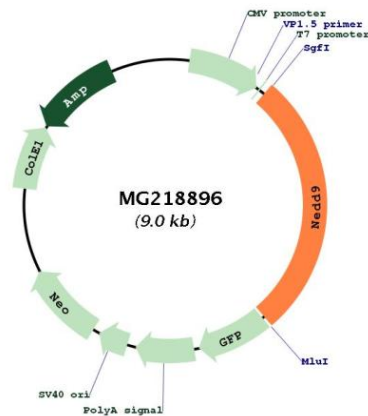
**Locus ID:** 18003

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

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

**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 MG218896