

## Product datasheet for **MC201926**

### **Nedd9 (NM\_017464) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nedd9 (NM_017464) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nedd9
Synonyms:	Cas-L; CasL; HEF1; MEF1; Nedd-9; p105
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC053713 sequence for NM\_017464  
AAGAGGTAATCCGGGATCTGCAGAGAGAGAAGCATAAGGACACAGAGGGACGAGTCCCATCCCTGCCTG  
CCTACCTAGAAGAGATCAGGGTGTCCAGGGTCACAAGATGGTCTGTCCACTGCGGTTCTGCGTTCAGGCT  
AGTGAAGTGTGAGTCTCCAGCACCAGACGCTGGCGGAGAAGCACGGCAGAGTTGTTTCATGGGGAGATATG  
ACAAGGAGGAAACAGGCCAGCAGACTGCAGCCCTGGGACTGTCTGGAGATCCAGAGTGCCAACGCTCCT  
CAAGAGAAAAATGTGGGCGAGGAATCTTATGGCAAGGGCCTTGTATGACAACGTCCTGAGTGTCTGAGG  
AGCTGGCCTTCCGCAAGGGAGACATCCTAACTGTATAGAGCAGAACACAGGAGGGCTTGAGGGATGGTG  
GCTGTGTTCCCTCCACGGTCGCCAAGGCATTGTCCAGGGAACCGGGTGAAGCTTCTGATTGGTCCAGTG  
CAAGAGACCCCCGGTCATGAGCAGCCTACTCCTGGACCTATGCATCAGACCTTTGGCCAACAGAACTCT  
ATCAAGTGCCAAATCCAGGCAGCATCTCGGGATACCATCTACCAAGTGCCACCCTCCTACCAGAATCA  
GGGAATTTACCAAGTACCCACTGGCCATGGCACTCCAGAACAAGATGTATATCAAGTACCACCATCAGTT  
CAGAGGAACATTGGCGGCACTAATGGACCCCTTCTAAGCAAAAAGGTGATCACCCAGTGAGGACGGGCC  
ATGGCTATGTGTACGAGTACCCATCCAGATACCAAAAAGGATGTCTACGATGTCCCTCCTCCACAGCAC  
TCAAGGGGTATATGACATCCCTCCTCCTCAGTAAAAGGCCCTGTGTTTTCAGTTCAGTGGGAGAGATA  
AAACCTCAAGGGGTATATGACATTCCTCCCAAGGGGTCTATGCCATTCCACCATCGGCTTGCCGAG  
ATGAGGCAGGGCTCAGGAAAAGGAATATGATTTCCCTCCTCAAATGAAGCAAGATGGAACCAAGACAC  
CAGACCTGAGGGGTTTATGACATCCCTCCAACAGCACCAAGACAGCAGGCAAGGACCTTCACATCAAA  
TTCCCCTGTGATGCTCCAGGAGGTGTGCAACCAATGGCACGAAGACACCAGAGCTTTTCCCTGCACCATG  
CACCTCTCAGCTGGGACAGTCTGGGACACTCAGAGTGTGCCTATGATGTCCCGGGGAGTTTTCAGTT  
TCTGGAGTACCAACAGAAACCAGTGAAGGGCAAATCCGGAGGAAAGAGACGGTGTCTACGATGTCCCT  
CTGCACAACCCAGCAGATGCCAAAGGCTCTCGGACGTGGTAGATGGGATCAACAGACTGTCTTTCTCCA  
GCACTGGCAGTACCAGGAGTAACTGTCCACCTTCCACCTCCTCAAAGGAGTCTTCACTGTCCAGCCTC  
CCCGTCTCAAGACAAAAGGCTCCGACTGGACCCAGACACAGCCATAGAGAAGCTCTACGGCTCCAGCAG  
ACCCTGGAGATGGGTGTGTGACGCTCATGTCACTGGTACCACAGACTGGAGGTGCTACGGATACATGG  
AAAGGCACATCAATGAGATCCGACCCGGTGGACAAAGTAGAGCTGTTCTTACGAGAATACCTCCATTT  
TGCCAAGGGAGCTTTAGCCAATGCCTCCTGCCTCCAGAACTGGTCTCCACAACAAAATGAAGCGGGAA  
CTCCAAAGAGTAGAAGATTCCCACCAGATTCTAAGCCAAACCAGCCATGACTTGAATGAATGCAGCTGGT  
CCCTGAATATTTAGCTATCAATAAGCCCCAAAATAAGTGTGATGACCTAGACGGTTTGTGATGGTCGC  
CAAGACAGTGCCAGACGACGCCAAACAACAGTACCACCACCATCAGCACCTACGCGGAGACCCCTTTTGA  
GCAGATCTGCCAATCCCATCTGAAGAATGGGCCAACAGCATCATGAACTCAAGCGAGTACACACATC  
CGGGCTCCAGATGCAGCCACTGCATCCTGGTACTACAAGCCAGGTCCACAGTAAGCCGTTGCCTCC  
TAGTCTAAGCAAGGACCAGCCACCAGACTGCGGTAGCAGTGACGGTTCTGAGCGGAGTTGGATGGATGAT  
TATGATTATGTTACCTACAGGGCAAGGAGGAGTTTGGAGCGACAGCAGAAGGAGCTCTTGGAAAAGGAGA  
ACATCATGAAGCAGAGTAAGGCGCAGCTGGAGCATCACCAGCTGAGTCAGTTCCAGCTGTTGGAACAAGA  
GATCACCAGCCTGTGGAGAATGACATCTCTAAATGGAAGCCCTCTCAGAGCCTCCCAACCACCAACAAC  
AGTGTGGGTGCTCAGGATAGGCAGTTGCTTTGCTTCTACTATGACCAGTGCAGACCCATTTTCAATTTCC  
TACTCAACGCCATCGACGCCCTTTCAGCTGCGTCACTCAGCCCAACCCACGGATCTTTGTGGCGCA  
CAGCAAGTTTGTATTCTTAGTGCGCACAAACTGGTGTTCATTGGAGACACTCTGACAAGGCAGGTGGCT  
GCCCAGGACATTCGCAACAAAGTCAGAACTCCAGCAACCAGCTCTGCGAACAGCTCAAGACGATAGTGA  
TGGCGACCAAAAATGGCCGCCCTCCACTACCCAGTACCACCGCCTTGCAAGAAAATGGTGCACCAGGTGAC  
AGACCTGTCCAGAAATGCTCAGCTGTTTAAAGCGTTCCTTGGTGGAGATGGCCACCTTTTGAAGACAAA  
GAAGTGAAGGAACTGGGTGAATAAATACTAAGGAAAAGTGGAAATACTATCTAGTTTTTGTAAATGCTA  
TCTATTTTTGTAGATATTTATATGAAATTGAAATATTTTCGATGTTTTTGTGAGTTAGTCGATTTTCATC  
AATTCAGGGAGCTGAAGCTTGGATTTATTTTGTTCCTGTGTGGTTCTGATATAAACATATAAGTATC  
TAAGACATAAGTTGTACAGAACTGTGTCCAGTGTGTATGCCTACATATCCATATTTGTTTATCTGTG  
TGCTGTATACAGCCATTAACAAATGAATTGAGAAGCAAAAAAAAAAAAAAAAAAAAAAAAAAAG

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_017464

**Insert Size:** 2502 bp

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC053713</a> , <a href="#">AAH53713</a>
<b>RefSeq Size:</b>	3145 bp
<b>RefSeq ORF:</b>	2502 bp
<b>Locus ID:</b>	18003
<b>UniProt ID:</b>	<a href="#">O35177</a>
<b>Cytogenetics:</b>	13 A3.3- A4
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) contains an alternate 5'-most exon and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is the same length as isoform 1.</p>