

## Product datasheet for **MR210874**

### **Nedd9 (NM\_001111324) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nedd9 (NM_001111324) 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:

>MR210874 representing NM\_001111324  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGGGCGAGGAATCTTATGGCAAGGGCCTTGTATGACAACGTCCCTGAGTGTGCTGAGGAGCTGGCCT  
 TCCGCAAGGGAGACATCTTAAGTGTATAGAGCAGAACACAGGAGGGCTTGAGGGATGGTGGCTGTGTTCC  
 CCTCCACGGTCGCCAAGGCATTGTCCCAGGGAACCGGGTGAAGCTTCTGATTGGTCCAGTCAAGAGACC  
 CCCGGTATGAGCAGCCTACTCCTGGACCTATGCATCAGACCTTTGGCCAACAGAACTCTATCAAGTGC  
 CAAATCCAGGCAGCATCTCGGATACCATCTACCAAGTCCACCCTCTACCAGAATCAGGGAATTTA  
 CCAAGTACCCACTGGCCATGGCACTCCAGAACAAGATGTATATCAAGTACCACCATCAGTTCAGAGGAAC  
 ATTGGCGGCACTAATGGACCCCTTCTAAGCAAAAAGGTGATCACCCAGTGAGGACGGGCCATGGCTATG  
 TGTACGAGTACCCATCCAGATACCAAAAGGATGTCTACGATGTCCCTCCTCCCACAGCACTCAAGGGGT  
 ATATGACATCCCTCCTCCTCAGTAAAAGGCCCTGTGTTTTCAGTCCAGTGGGAGAGATAAAACCTCAA  
 GGGGTATATGACATTCACCCACCAAGGGGTCTATGCCATTCCACCATCGGCTTGCCGAGATGAGGCGAG  
 GGCTCAGGAAAAGGAATATGATTTCCCTCCTCCAATGAAGCAAGATGAAAACAGACACCAGACCTGA  
 GGGGGTTTATGACATCCCTCCAACCAGCACCAAGACAGCAGGCAAGGACCTTCACATCAAATTCCTGT  
 GATGCTCCAGGAGGTGTGCAACCAATGGCACGAAGACACCAGAGCTTTTCCCTGCACCATGCACCCTCTC  
 AGCTGGGACAGTCTGGGGACACTCAGAGTGTGCTATGATGTCCCCGGGGAGTTTCAAGTTTCTGGAGGT  
 ACCAACAGAAACCAAGTAAAAGGCAATCCGGAGGAAAGAGACGGTGTCTACGATGTCCCTCTGCACAAC  
 CCAGCAGATGCCAAAGGCTCTCGGGACGTGGTAGATGGGATCAACAGACTGTCTTTCTCCAGCACTGGCA  
 TACCAGGAGTAACATGTCCACCTCTTCCACCTCAAAGGAGTCTTCACTGTCAAGCTCCCCGCTCTCA  
 AGACAAAAGGCTCCGACTGGACCCAGACACAGCCATAGAGAAGCTCTATCGGCTCCAGCAGACCCTGGAG  
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 TCAATGAGATCCGCACCGCGGTGGCAAAAGTAGAGCTGTTCTTACGAGAATACCTCCATTTTGCCAAAGG  
 AGCTTTAGCCAATGCCTCCTGCCTCCAGAACTGGTCTCCACAACAAAATGAAGCGGAACTCCAAAGA  
 GTAGAAGATCCACCAGATTCTAAGCCAAACAGCCATGACTTGAATGAATGCAGCTGGTCCCTGAATA  
 TTTTAGCTATCAATAAGCCCCAAAATAAGTGTGATGACCTAGACCGGTTTGTGATGGTCCCAAGACAGT  
 GCCAGACGACGCCAAACAACTGACCACCACCATCAGCACCTACGCGGAGACCCTCTTAGAGCAGATCCT  
 GCCAATCCCATCTGAAGATGGGCCAACAGCATCATGAACTCAAGCGAGTACACATCCGGGCTCCC  
 AGATGCAGCCACTGCATCCTGGTACTACAAGCCAGGTCCACAGTAAGCCGTTGCCTCCTAGTCTAAG  
 CAAGGACCAGCCACCAGACTGCGGTAGCAGTGACGGTTCTGAGCGGAGTTGGATGGATGATTATGATTAT  
 GTTCACCTACAGGGCAAGGAGGAGTTTGGAGCAGCAGAGAAGGAGCTCTTGGAAAAGGAGAATCATGA  
 AGCAGAGTAAGGCGCAGCTGGAGCATCACCAGCTGAGTCAGTTCAGCTGTTGGAACAAGAGATCACCAA  
 GCCTGTGGAGAATGACATCTCTAAATGGAAGCCCTCTCAGAGCCTCCCAACCACCAACAACAGTGTGGGT  
 GCTCAGGATAGGCAGTTGCTTTGCTTCTACTATGACCAGTGCAGAGCCATTTTCAATTCCTACTCAACG  
 CCATCGACGCCCTCTTCAAGTGCCTCAGCTCAGCCCAACCCACGGATCTTTGTGGCGCACAGCAAGTT  
 TGCTATTCTTAGTGCGCACAACTGGTGTTCATTGGAGACTCTGACAAGGCAGGTGGCTGCCAGGAC  
 ATTCGCAACAAAGTCAGGAACCTCAGCAACCAGCTCTGCGAACAGCTCAAGACGATAGTATGGCGACCA  
 AAATGGCCGCCCTCCACTACCCAGTACCACCGCTTGCAGGAAATGGTGCACCAGGTGACAGACCTGTC  
 CAGAAATGCTCAGCTGTTAAGCGTTCTTGTGGAGATGGCCACCTTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR210874 representing NM\_001111324  
Red=Cloning site Green=Tags(s)

MWARNLMARALYDNVPECAEELAFRKGDILTVIEQNTGGLEGWWLCSLHGRQGVPGNRVLLIGPVQET  
PGHEQTPGPMHQTFFGQKLYQVPNSQAASRDITYQVPPSYQNQGIYQVPTGHGTPEQDVYQVPPSVQRN  
IGGTNGPLL SKKVITPVRTGHGYVYEPSRYQKDVYDVPPSHSTQGVYDIPPSSVKGPVFSVPVGEIKPQ  
GVYDIPPTQGVYAIPPSACRDEAGLREKEYDFPPPMKQDGKPDTRPEGVYDIPPTSTKTAGKDLHIKFC  
DAPGGVEPMARRHQSFSLHHAPSQLGQSGDTQSDAYDVPRGVQFLEVPTETSEKANPEERDGVYDVPLHN  
PADAKGSRD VVDGINRLSFSSTGSTRSNMSTSSSTSSKESLSASPSQDKRLRLDPDTAIEKLYRLQQTLE  
MGVCSLSLVTTDWRCYGYMERHINEIRTAVDKVELFLREYLHFAGALANASCLPELVLHNKMKRELQR  
VEDSHQILSQTSHDLNECSWSLNILAINKPQNKCDLDRFVMVAKTVPDDAKQLTTTISTYAETLFRADP  
ANSHLKNPNSIMNSSEYTHPGSQMQPLHPGDYKAQVHSKPLPPSLSKDQPPDCGSSDGSERSWMDYDY  
VHLQKKEEFERQQKELLEKENIMKQSKAQL EHHQLSQFQLLEQEITKPVENDISKWKPSQSLPTTNN SVG  
AQDRQLLCFYDQCETHFISLLNAIDALFSCVSSAQPPRIFVAHSKFVILSAHKL VFIGDTLTRQVAAQD  
IRNKVRNSSNLCEQLKTI VMATKMAALHYPSTTALQEMVHVQVTDLSRNAQLFKRSLLEMATF

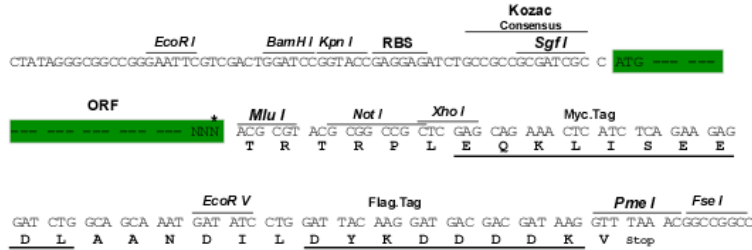
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9034\\_a03.zip](https://cdn.origene.com/chromatograms/mm9034_a03.zip)

**Restriction Sites:** Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

ACCN: NM\_001111324

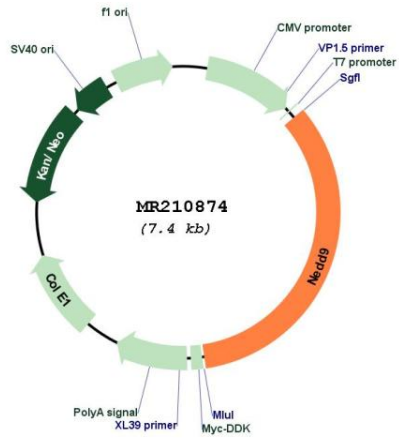
ORF Size: 2499 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<u><a href="#">NM_001111324.2</a></u>
<b>RefSeq Size:</b>	4563 bp
<b>RefSeq ORF:</b>	2502 bp
<b>Locus ID:</b>	18003
<b>UniProt ID:</b>	<u><a href="#">O35177</a></u>
<b>Cytogenetics:</b>	13 A3.3- A4
<b>MW:</b>	93.5 kDa
<b>Gene Summary:</b>	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 MR210874