

Product datasheet for **MC200238**

Nedd8 (NM_008683) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nedd8 (NM_008683) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nedd8
Synonyms:	Rub1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC004625 sequence for NM_008683 TGGGAAGCGGCAGCGGCAGCAGCGACCACAGCGGGAGAAGCAGCACTCTAGCCGCCTGCAACCCCAACCT GGGAAGAAGATGCTAATTAAGTGAAGACGCTGACTGGGAAGGAGATTGAGATAGACATCGAACCCACAG ACAAGGTGGAGCGAATCAAGGAGCGTGTGGAAGAAAAGAAGGGATTCCCCCAGCAGCAGCGGCTCAT CTACAGTGGCAAGCAAATGAATGATGAGAAGACAGCAGCTGATTACAAGATTCTAGTGGTTCGGTCCCTC CACCTGGTGTGGCTCTTAGAGGAGGAGGTGGTCTTGGGACAGTGAAGAACTTGGTTCGGTTACCTCCT TGCCCTGCCAATCATAATGTGGCATCACATATCCTCTCACTCTCTGGGACACCAGAGCCACTGCCCCCTC TCTTGGATGCCAATCTTGTGTGTCTACTGGTGGGAGAATGTGAGGACCCAGGGTGCAGTGTTCCTGGC CCAGATGGCCCTGCTGGCTATTGGGTTTTAGTTGCAGTCATGTGTGCTTCCCTGTCTTATGGCTGTAT CCTTGGTTATCAATAAAATATTTCTGGCCAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_008683
Insert Size:	246 bp
OTI Disclaimer:	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).
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).



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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: [BC004625](#), [AAH04625](#)

RefSeq Size: 606 bp

RefSeq ORF: 246 bp

Locus ID: 18002

UniProt ID: [P29595](#)

Cytogenetics: 14 28.19 cM

Gene Summary: Ubiquitin-like protein which plays an important role in cell cycle control and embryogenesis. Covalent attachment to its substrates requires prior activation by the E1 complex UBE1C-APPBP1 and linkage to the E2 enzyme UBE2M. Attachment of NEDD8 to cullins activates their associated E3 ubiquitin ligase activity, and thus promotes polyubiquitination and proteasomal degradation of cyclins and other regulatory proteins.[UniProtKB/Swiss-Prot Function]