

Product datasheet for **SC100748**

NEDD1 (NM_152905) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NEDD1 (NM_152905) Human Untagged Clone
Tag:	Tag Free
Symbol:	NEDD1
Synonyms:	GCP-WD; TUBGCP7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC100748 sequence for NM_152905 edited (data generated by NextGen Sequencing)

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ATGCAGGAAAACCTCAGATTTGCTTCATCAGGAGATGATATTAATATGGGATGCTTCA
TCTATGACATTGGTGGATAAATCAACCCACACATCACCACATGGAATCAGCTCAATA
TGTTGGAGCAGCAATAATAACTTTTTAGTAACAGCATCTTCCAGTGGCGACAAAATAGTT
GTCTCAAGTTGCAATGTAAACCTGTTCCACTTTTAGAGCTTGCTGAAGGGCAAAAGCAG
ACATGTGTCAATTTAAATCTACATCTATGTATTTGGTAAGCGGAGGCCATAAACAAT
GTTAATATTTGGGATTTAAAAATCAAAAAGAGTTTCATCGATCTCTTAAGGATCATAAAGAT
CAAGTAACTTGTGTAAACATACAATTGGAATGATTGCTACATTGCTTCTGGATCTCTAGT
GGTGAAATTATTTTACACAGTGAACCACTAATTTATCTAGTACTCCTTTTGGCCATGGT
AGTAACCACTGCTGTTCCGCACTTGAAGTACTCCTTGTTTAAAGAAATCACTACTGGGCAGT
GTTTCCGATAATGGAATAGTAATCTCTGGGATGTAAATAGTCAGAGTCCATACCATAAC
TTTGACAGTGTACACAAAGCTCCAGCGTCAGGCATCTGTTTTCTCTGTCAATGAATTG
CTCTTTGTAACCATAGGCTTGGATAAAAGAATCATCCTCTATGACACTTCAAGTAAGAAG
CTAGTGAAAACCTTATAGTGGCTGACACTCCTCTAACTGCGGTAGATTTTCATGCCTGATGGA
GCCACTTTGGCTATTGGATCTTCCCGGGGAAAAATATATCAATATGATTTAAGAAATGTTG
AAATCACCAGTTAAGACCATCAGTGCTCACAAGACATCTGTGCAGTGTATAGCATTTTCAG
TACTCCACTGTTCTTACTAAGTCAAGTTTAAATAAAGGCTGTTCAAATAAGCCACAACA
GTGAACAAACGAAGTGTTAATGTGAATGCTGCTAGTGGAGGAGTTCAGAAATCCGGAATT
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GACACTTTATCTAAGGAAACAGACAGTGGAAAAATCAGGATTTCTCCAGCTTTGATGAT
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AAGGGAAGTGATGAGTCCATAGGCAAGGAGATGGCTTTGACTTTCTACCGCAGTTGAAC
TCAGTGTTTCTCCAAGAAAAATCCAGTAACTTCAAGTACTTCAGTATTGCATTCTAGT
CCTCTTAATGTTTTATGGGATCTCCAGGGAAAGAGGAAATGAAAACCGTGATCTAACA
GCTGAGTCTAAGAAAAATATATATGGGAAAAAGGAATCTAAAGACTCCTTCAAACAGTTA
GCAAAGTTGGTCACATCTGGTGTGAAAGTGGAATCTAAATACCTCTCCATCATCTAAC
CAAACAAGAAATCTGAGAAATTTGAAAAGCCAGAGAATGAAATTGAAGCCAGTTGATA
TGTGAACCCCAATCAATGGATCCTCAACTCCAAATCAAAGATAGCATCTTCTGTCACT
GCTGGAGTTGCCAGTTCACTCTCAGAAAAATAGCCGACAGCATTGGAATAACCGGCAA
AATGCACCATTGACTTCCATTCAAATTCGTTTTATTGAGAACATGATACAGGAAACGTTG
GATGACTTTAGAGAAGCATGCCATAGGGACATTGTGAATTTGCAAGTGGAGATGATTAA
CAGTTTCATATGCAACTGAATGAAATGCATTCTTTGCTGGAAAGATACTCAGTGAATGAA
GGTTTAGTGGCTGAAATGAAAGACTACGAGAAGAAAAACAAAGATTACGGGCCCACTTT
TGA
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Clone variation with respect to NM_152905.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_152905 unedited
 CCCCCCGCCNNCCCCCCTNCNCCCCNCCGTTTCAGATTTGTATACGACTCCTATAGGC
 GGCCGCGNAATTCGCACCAAGGGGAAGCCAGCGCGGAGCCGGCCGCGCCCTGTTGTG
 TTGCTGCGGAGAGGCGCAGTCATGCAGGAAAACCTCAGATTTGCTTCATCAGGAGATGAT
 ATTAATAATATGGGATGCTTCATCTATGACATTGGTGGATAAATCAACCCACACATCA
 CCACATGGAATCAGCTCAATATGTTGGAGCAGCAATAAATACTTTTAGTAACAGCATCT
 TCCAGTGGCGACAAAATAGTTGTCTCAAGTTGCAATGTAAACCTGTTCCACTTTTAGAG
 CTTGCTGAAGGGCAAAAGCAGACATGTGTCAATTTAAATCTACATCTATGTATTTGGTA
 AGCGGAGGCCTAAATAACACTGTTAATATTTGGGATTTAAATCAAAAAGAGTTCATCGA
 TCTCTTAAGGATCATAAAGATCAAGTAACCTTGTGTAACATACAATTGGAATGATTGCTAC
 ATTGCTTCTGGATCTCTTAGTGGTGAAATTATTTTACACAGTGAACCACTAATTTATCT
 AGTACTCCTTTTGGCCATGGTAGTAACCACTCTGTTTCGGCACTTGAAGTACTCCTGTTT
 AAGAAATCACTACTGNGCAGTGTTCGGATAATGGAATAGTAACCTCTGGGATGTAAT
 AGTCAGAGTCCATACCATAACTTTGACAGTGTACACAAAGCTCCAGCGTCAGGCATCTGT
 TTTTCTCCTGTCAATGAATTGCTCTTTGTACCATANGCTTGGATANAGAAATCTNCTCT
 ATGACACTTTCAAGTAGAAGCTAGTGAAAACCTTTAGTGGCTGACACTTCTCTACTGCNGT
 AGATTCATGCCTGATGGAGCCACTTGCTATTGNATCTTCCGNGGAAATATCATATGA
 TTTAGATGTTGAATCACAGNTAGACATCAT

3' Read Nucleotide Sequence:

>OriGene 3' genomic read for NM_152905 unedited
 GTACACTATGNACGCGCGCAATCTATGATCGGTTTTTTTTTTTTTTTTTAAATTTTA
 GTAAATACTTTTCATCTCAGAAGTCAAAATGGGGCAGAAGAGCTATACAAAGGTACACAGT
 TTAAATCTTTGGGACAAGAGACAAGAAGGTAACCAAGTCAGTAGCCCCCAAGCTTCAC
 TTAACCTAAAATTGTAGATCATAGTAGGTAGATGTATACATCTATCTATTGCCAAAGAGG
 TATAACTATTTTGACAACCTTTCTAAATAATTTTATGGTAAGGCCAATAATATAAAAAAT
 ATTATACACAGTACAGAAAGAAATTAAGTTAATGATAAAGACCACAAAATAAAATAATCC
 AAGCTTCTTATTTGAAAAAGAAATAGAAATAATACTATAATTTTAGTACCTAATATG
 AAATCTCCACTCATTATAAGTTGTCATGTTGATTGAAATTTGTCAGTACAACGTTGCATG
 TTAATAAGTAAAGATATCTTAAAAATACCACCCAGGAATAAAGATTGTCAGAAAGTACCATA
 TAGTAACATAAAATGCAAAAGATATCATGGTATTTGTGCATTTAAAAATTCCAAAAATGTC
 TTATCAAAATGTGCAATAAAATATAGTCATACTTGACTTCATCAAGTAACAAAATAATTAC
 TAGCCAACCCCTATGTTTATTAGTCAATGGCTTAGAAACACCATGCCATTTTAAATAC
 TTTTCTCCCTAAAATAGAAGGCTATCAAACCTCTTAACTCTCACTAAGCCAAAAATTTG
 AAAAGGCATTTTGTCAATCAAAATTTATGTAAGGAGAG

Restriction Sites:

NotI-NotI

ACCN:

NM_152905

Insert Size:

3500 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).

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:	<u>NM_152905.2, NP_690869.1</u>
RefSeq Size:	2374 bp
RefSeq ORF:	1983 bp
Locus ID:	121441
UniProt ID:	<u>Q8NHV4</u>
Cytogenetics:	12q23.1
Domains:	WD40
Gene Summary:	Required for mitosis progression. Promotes the nucleation of microtubules from the spindle. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR and uses a downstream translation initiation codon, compared to variant 1, resulting in an isoform (b) that has a shorter N-terminus, compared to isoform a. Both variants 2 and 3 encode the same isoform.