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Product datasheet for SC123396

NEDD4 (NM_198400) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NEDD4 (NM_198400) Human Untagged Clone
Tag:	Tag Free
Symbol:	NEDD4
Synonyms:	NEDD4-1; RPF1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

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>OriGene ORF sequence for NM_198400 edited
ATGGCACAAAGCTTACGATTGCACTTTGCAGCCAGAAGAAGCAATACTTACCCTTTGTCA
GAAACCTCCGGAGATGACTTGGATAGCCATGTTCACATGTGCTTCAAAAGACCAACACGG
ATTTCAACGTCTAACGTTGTTCAAATGAAGCTGACTCCCAGACAGACTGCACTAGCTCCG
TTAATAAAGGAAAACGTTCAGTCTCAAGAAAGATCATCTGTTCCCTCATCTGAAAATGTT
AATAAAAAGAGCAGCTGTCTACAGATTTCACTACAGCCAACAAGGTACAGTGGATATCTT
CAGTCTAGCAATGTCTTAGCTGATAGTGATGATGCTTCGTTTACTTGTATCTTGAAGGAT
GGTATTTACAGTAGTGCTGTGGTCGATAATGAATTGAATGCTGTGAATGATGGTCACCTT
GTAAGCAGTCCAGCCATTTGTAGTGGTAGCCTTAGTAACTTTTCAACCAGTGATAATGGG
TCTTACAGCAGCAACGGTAGTGATTTTGGGTCATGTGCAAGTATCACAAGTGGAGGTTCA
TATACTAACAGTGTCATCAGTGACAGTAGTAGTTATACTTTTCCACCAAGTGATGATACT
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ACTACTCCTTGTGAAATTTTTTCAAGAAGTACAAGTACAGATCCTTTTGTCCAGGATGAC
TTGGAACATGGATTAGAGATTATGAAATTGCCAGTGAGCAGGAACACAAAAATTCCACTA
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ACAGCTGTCAATGGACTTCGGTTATCTAAAACAATTTGTACCCCCGGAGAAGTAAGAGAC
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ACCCAACGAAAAGCAGCTACATTAGACTGTGAAACAACAAATGGTGATTGTAAACCAGAA
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AGAGACAGCAACAGAGATTGCACAAATGAACTGTCTAATTCTTGCAAGCCTGGCTGGGTT
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GTTTTGGACCAACCAGATGCTGCTTGCCATTTGCAGCAACAACAAGAACCTTCTCCTCTA
CCTCCAGGGTGGGAAGAGAGGCAGGATATCCTTGGAAGGACCTATTATGTAAACCATGAA
TCTAGAAGAACACAGTGGAAAAGACCAACCCCTCAGGACAACCTAACAGATGCTGAGAAT
GGCAACATTCAACTGCAAGCACAACGTGCATTTACCACCAGGCGGCAGATATCCGAGGAA
ACAGAAAGTGTTGACAACCGAGAGTCTTCCGAGAACTGGGAAATTATAAGAGAAGATGAA
GCCACCATGTATAGCAACCAGGCCTTCCCATCACCTCCACCGTCAAGTAACTTGGATGTT
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AGCCAGCCAGCATCGAGCTCAAATCATTCCAGCAGAAGAGGCAGCTTACAAGCCTATACT
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ACTACTTGGACAAAGCCCACTGTACAGGCCACAGTGGAGACCAGTCAGCTGACCTCAAGC
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AATGGGAGGCCTTTCTTTATTGACCACAACACTAAAACCACCACCTGGGAAGATCCAAGA
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GACAATTATACCCTACAGATAAATCCAAACTCTGGATTGTGTAACGAAGATCACCTCTCT
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GAGCTTCTTATGTGTGGACTGGGAGATGTTGATGTGAATGACTGGAGGGAACATACAAAG
TATAAAAATGGCTACAGTGCAAATCATCAGGTTATACAGTGGTTTTGGAAGGCTGTTTTA
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CCTATGAATGGATTTGCTGAACTATACGGTTCAAATGGACCACAGTCATTTACAGTTGAA
CAGTGGGGTACTCCTGAAAAGCTGCCAAGAGCTCATACCTGTTTTAATCGCCTGGACTTG
CCACCTTATGAATCATTTGAAGAATTATGGGATAAACTTCAGATGGCAATTGAAAACACC
CAGGGCTTTGATGGAGTTGATTAG

Restriction Sites: Please inquire

ACCN: NM_198400

Insert Size: 5500 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).

OTI Annotation: The ORF was fully sequenced and matches to NM_198400.1.

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:	NM_198400.1, NP_940682.1
RefSeq Size:	7084 bp
RefSeq ORF:	3744 bp
Locus ID:	4734
UniProt ID:	P46934
Cytogenetics:	15q21.3
Protein Families:	Druggable Genome
Protein Pathways:	Endocytosis, Ubiquitin mediated proteolysis
Gene Summary:	This gene is the founding member of the NEDD4 family of HECT ubiquitin ligases that function in the ubiquitin proteasome system of protein degradation. The encoded protein contains an N-terminal calcium and phospholipid binding C2 domain followed by multiple tryptophan-rich WW domains and, a C-terminal HECT ubiquitin ligase catalytic domain. It plays critical role in the regulation of a number of membrane receptors, endocytic machinery components and the tumor suppressor PTEN. [provided by RefSeq, Jul 2016] Transcript Variant: This variant (2) encodes isoform 2. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.