

## Product datasheet for **SC338000**

### **NEDD4 (NM\_001284338) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NEDD4 (NM_001284338) Human Untagged Clone
Tag:	Tag Free
Symbol:	NEDD4
Synonyms:	NEDD4-1; RPF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001284338, the custom clone sequence may differ by one or more nucleotides

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ATGGCACAAAGCTTACGATTGCACTTTGCAGCCAGAAGAAGCAATACTTACCCTTTGTCAGAAAACCTCCG
GAGATGACTTGGATAGCCATGTTACATGTGCTTCAAAGACCAACACGGATTTCAACGTCTAACGTTGT
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AAGATTGGAGAGACCATATACATTTAAGGATTTTGTTCCTTCATCCAAGAAGTCACAAATCAAGAGTTAAA
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GGCAATTGAAAACACCCAGGGCTTTGATGGAGTTGATTAG
    
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**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_001284338

**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:** [NM\\_001284338.1](#), [NP\\_001271267.1](#)

**RefSeq Size:** 7240 bp

**RefSeq ORF:** 3960 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 (3) contains three alternate in-frame exons, compared to variant 2. The encoded isoform (3) is longer than 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.