

Product datasheet for **SC330200**

NEDD4 2 (NEDD4L) (NM_001243960) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NEDD4 2 (NEDD4L) (NM_001243960) Human Untagged Clone
Tag:	Tag Free
Symbol:	NEDD4L
Synonyms:	hNEDD4-2; NEDD4-2; NEDD4.2; PVNH7; RSP5
Vector:	pCMV6-Entry (PS100001)



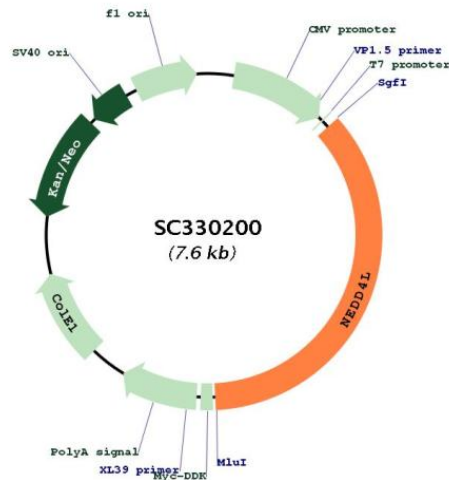
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Fully Sequenced ORF: >SC330200 representing NM_001243960.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_001243960

Insert Size: 2736 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: [NM_001243960.1](#)

RefSeq Size: 8290 bp

RefSeq ORF: 2736 bp

Locus ID: 23327

UniProt ID: [Q96PU5](#)

Cytogenetics: 18q21.31

Protein Families: Druggable Genome

Protein Pathways: Endocytosis, Ubiquitin mediated proteolysis

MW: 104.9 kDa

Gene Summary:

This gene encodes a member of the Nedd4 family of HECT domain E3 ubiquitin ligases. HECT domain E3 ubiquitin ligases transfer ubiquitin from E2 ubiquitin-conjugating enzymes to protein substrates, thus targeting specific proteins for lysosomal degradation. The encoded protein mediates the ubiquitination of multiple target substrates and plays a critical role in epithelial sodium transport by regulating the cell surface expression of the epithelial sodium channel, ENaC. Single nucleotide polymorphisms in this gene may be associated with essential hypertension. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Mar 2012]

Transcript Variant: This variant (i) lacks two consecutive exons in the coding region, but maintains the reading frame, compared to variant j. The encoded isoform (7) is shorter than isoform 1. 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.