

## Product datasheet for RC217897L3

#### OriGene Technologies, Inc.

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## NEDD4 2 (NEDD4L) (NM\_015277) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: NEDD4 2 (NEDD4L) (NM 015277) Human Tagged Lenti ORF Clone

Tag: Myc-DDK Symbol: NEDD4 2

Synonyms: hNEDD4-2; NEDD4-2; NEDD4.2; PVNH7; RSP5

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

**ORF Nucleotide** The ORF insert of this clone is exactly the same as(RC217897).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





st The last codon before the Stop codon of the ORF.

**ACCN:** NM\_015277

ORF Size: 2865 bp





### NEDD4 2 (NEDD4L) (NM\_015277) Human Tagged Lenti ORF Clone - RC217897L3

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of

> reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

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 015277.2

RefSeq Size: 4871 bp RefSeq ORF: 2868 bp Locus ID: 23327 **UniProt ID:** Q96PU5

Cytogenetics: 18q21.31

Domains:

C2, HECT, WW **Protein Families:** Druggable Genome

**Protein Pathways:** Endocytosis, Ubiquitin mediated proteolysis

MW: 109.8 kDa

This gene encodes a member of the Nedd4 family of HECT domain E3 ubiquitin ligases. HECT **Gene Summary:** 

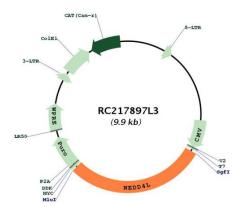
> domain E3 ubiquitin ligases transfer ubiquitin from E2 ubiquitin-conjugating enzymes to protein substrates, thus targeting specific proteins for lysosomal degradation. The encoded protein mediates the ubiquitination of multiple target substrates and plays a critical role in epithelial sodium transport 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]



# **Product images:**



Circular map for RC217897L3