

## Product datasheet for **RC227866L4V**

### **NEDD4 2 (NEDD4L) (NM\_001144964) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	NEDD4 2 (NEDD4L) (NM_001144964) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NEDD4 2
Synonyms:	hNEDD4-2; NEDD4-2; NEDD4.2; PVNH7; RSP5
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001144964
ORF Size:	2562 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC227866).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_001144964.1</a> , <a href="#">NP_001138436.1</a>
RefSeq Size:	8436 bp
RefSeq ORF:	2565 bp
Locus ID:	23327
UniProt ID:	<a href="#">Q96PU5</a>
Cytogenetics:	18q21.31
Protein Families:	Druggable Genome
Protein Pathways:	Endocytosis, Ubiquitin mediated proteolysis



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MW: 98.2 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]