

Recombinant Human NEDD4L Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. NEDD4L-034H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NEDD4L MS Standard C13 and N15-labeled recombinant protein (NP_001138436) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	98.2 kDa
AA Sequence	MERP YTFKDFLLRPRSHKSRVKGFLRLKMAYMPKNGGQDEENS DQRDDMEHGWE VVD S NDSASQHQEELPPPPLPPGWEEKVDNLGR TYYVNHNNRTTQWHRPSLMDV SSESDNNIRQINQEAAHRRFRSRRHISEDLEPEPSEGGDVPEPWETISEEVNIAGDS LGLALPPPPASPGSRTSPQELSEELSRRLQITPDSNGEQFSSLIQREPSSRLRSCSV

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TDAVAEQGHLPPPSAPAGRARSSTVTGGEEPTPSVAYVHTTPGLPSGWEERKDAK
 GRYYYYVNHNNRTTTWTRPIMQLAEDGASGSATNSNNHLIEPQIRRPRLSSPTVTLS
 APLEGAKDSPVRRRAVKDTLSNPQSPQSPSPYNPKPQHKVTQSFLPPGWEMRIAPN
 GRPFFIDHNTKTTTWEDPRLKFPVHMRSKTSLNPNDLGPLPPGWEERIHLDGRTFYI
 DHNSKITQWEDPRLQNPAITGPAVPYSREFKQKYDYFRKKLKKPADIPNRFEMKLHR
 NNIFEESYRRIMSVKRPDVLKARLWIEFESEKGLDYGGVAREWFFLLSKEMFNPPYYG
 LFEYSATDNYTLQINPNSGLCNEDHLSYFTFIGRVAGLAVFHGKLLDGFFIRPFYKMM
 LGKQITLNDMESVDSEYYNSLKWILENDPTELDLMFIDEENFGQTYQVDLPNGSEI
 MVTNENKREYIDLVIQWRFVNRVQKQMNAFLEGFTELLPIDLIKIFDENELELLMCG
 GDVDVNDWRQHSIYKNGYCPNHPVIQWFWKAVLLMDAEKRIRLLQFVTGTSRVPM
 NGFAELYGSNGPQLFTIEQWGSPEKL PRAHTCFNRDLPPYETFEDLREKLLMAVE
 NAQGFEGVDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	NEDD4L NEDD4 like E3 ubiquitin protein ligase [Homo sapiens (human)]
Official Symbol	NEDD4L
Synonyms	NEDD4L; NEDD4 like E3 ubiquitin protein ligase; hNEDD4-2; NEDD4-2; NEDD4.2;

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PVNH7; RSP5; E3 ubiquitin-protein ligase NEDD4-like; HECT-type E3 ubiquitin transferase NED4L; neural precursor cell expressed, developmentally down-regulated 4-like, E3 ubiquitin protein ligase; ubiquitin-protein ligase Rsp5; EC 2.3.2.26

Gene ID [23327](#)

mRNA Refseq [NM_001144964](#)

Protein Refseq [NP_001138436](#)

MIM [606384](#)

UniProt ID [Q96PU5](#)

SDS-PAGE

