

Product datasheet for PH327866

NEDD4 2 (NEDD4L) (NM_001144964) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NEDD4L MS Standard C13 and N15-labeled recombinant protein (NP_001138436)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC227866
Predicted MW:	98.2 kDa
Protein Sequence:	>RC227866 representing NM_001144964 Red=Cloning site Green=Tags(s)

MERP YTFKDFLLRPRSHKSRVKGFLRLK MAYMPKNGGQDEENSDQRDDMEHGWEVVDSDNSASQHQEELP
PPPLPPGWEEKVDNLGRYYVNHNNRRTQWHRPSLMDVSESDNNIRQINQEAHRRFRSRRHISEDLEP
EPSEGGDVPEPWETISEEVNIAGDSLGLALPPPPASPGSRTSPQELSEELSRRLQITPDSNGEQFSSLIQ
REPSSRLRSCSVTDAVAEQGHLPPPSAPAGRARSSTVTGGEEPTPSVAYVHTTGPLSGWEERKDAKGR
YYVNHNNRRTTTRPIMQLAEDGASGSATNSNNHLIEPQIRRPRSLSSPTVTL SAPLEGAKDSPVRRAVK
DTLSNPQSPQSPYNPKPQHKVTQSFLPPGWEMRIAPNGRPFIDHNTKTTTWEDPRLKFPVHMRSKTS
LNPNDLGPLPPGWEERIHLDGRFTFYIDHNSKITQWEDPRLQNPATGPAVPYSREFKQKYDYFRKKLKKP
ADIPNRFEMKLHRNNIFEESYRRIMSVKRPDVLKARLWIEFESEKGLDYGGVAREWFFLLSKEMFNPPYYG
LFEYSATDNYTLQINPNSGLCNEDHLSYFTF IGRVAGLAVFHGKLLDGGFFIRPFYKMLGKQITLNDMES
VDSEYYNSLKWILENDPTELDMFCIDEENFGQTYQVDLKPNGSEIMVTNENKREYIDLVIQWRFVNRVQ
KQMNAFLEGFTPELLIDLIKIFDENELELLMCGLGDVDVNDWRQHSIYKNGYCPNHPVIQWFKAVLLMD
AEKRIRLLQFVTGTSRVP MNGFAELYG SNGPQLFTIEQWGSPEKLPRAHTCFNRLDLPPYETFEDLREKL
LMAVENAQGFEGVD

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



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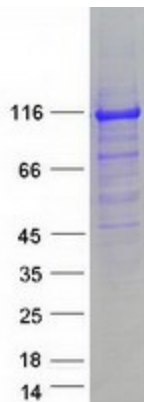
RefSeq:	NP_001138436
RefSeq Size:	8436
RefSeq ORF:	2562
Synonyms:	hNEDD4-2; NEDD4-2; NEDD4.2; PVNH7; RSP5
Locus ID:	23327
UniProt ID:	Q96PU5 , A0A024R2A4
Cytogenetics:	18q21.31

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]

Protein Families: Druggable Genome

Protein Pathways: Endocytosis, Ubiquitin mediated proteolysis

Product images:



Coomassie blue staining of purified NEDD4L protein (Cat# [TP327866]). The protein was produced from HEK293T cells transfected with NEDD4L cDNA clone (Cat# [RC227866]) using MegaTran 2.0 (Cat# [TT210002]).