

Datasheet for ABIN7564557
NEDD4-2 Protein (AA 1-1004) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	NEDD4-2 (NEDD4L)
Protein Characteristics:	AA 1-1004
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NEDD4-2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Nedd4l Protein expressed in mammalian cells.
Sequence:	<p>MSLCEAPVHV GDKELKYFQI PQMLSQLSLL ASHHSRGGLEF SGGQGESRIL RVKVVSGIDL AKKDIFGASD PYVKLSLYVA DENRELALVQ TKTIKKTLNP KWNEEFYFRV NPSNHRLLFE VFDENRLTRD DFLGQVDVPL SHLPTEDPTM ERPYTFKDFL LRPRSHKSRV KGFLRLKMAY MPKNGGQDEE NSEQRDDMEH GWEVVDSNDS ASQHQEELPP PPLPPGWEEK VDNLGRYYV NHNNRSTQWH RPSLMDVSSE SDNNIRQINQ EAAHRRFRSR RHISEDLEPE ASEGGGEGPE PWETISEEMN MAGDSLAL PPPASPVS R TSPQELSEEV SRRLQITPDS NGEQFSSLIQ REPSSRLRSC SVTDTVAEQA HLPPPSTPTR RARSSTVTGG EEPTPSVAYV HTTPGLPSGW EERKDAKGRT YYVNHNNRRT TWTRPIMQLA EDGASGSATN SNNHLVEPQI RRPRSLSSPT VTLSAPLEGA KDSPIRRAVK DTLSNPQSPQ PSPYNSPKPQ HKVTQSFLPP GWEMRIAPNG RPFIDHNTK TTTWEDPRLK FVHMRSKAS LNPNDLGPLP PGWEERIHLD GRTFYIDHNS KITQWEDPRL QNPAITGPAV PYSREFKQKY DYFRKCLKKP ADIPNRFEMK LHRNNIFEES YRRIMSVKRP DVLKARLWIE FESEKGLDYG GVAREWFFLL SKEMFNPPYYG LFEYSATDNY</p>

Product Details

TLQINPNSGL CNEDHLSYFT FIGRVAGLAV FHGKLLDGFF IRPFYKMMLG KQITLNDMES
VDSEYYNSLK WILENDPTL DLMFCIDEEN FGQTYQVDLK PNGSEIMVTN ENKREYIDL
IQWRFVNRVQ KQMNAFLEGF TELLPIDLIK IFDENELELL MCGLGDVDVN DWRQHSIYKN
GYCPNHPVIQ WFWKAVLLMD AEKRIRLLQF VTGTSRVPMN GFAELYGSNG PQLFTIEQWG
SPEKL PRAHT CFNRLDLPPY ETFEDLREKL LMAVENAQGF EGVD **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: NEDD4-2 (NEDD4L)

Alternative Name: Nedd4l ([NEDD4L Products](#))

Background: E3 ubiquitin-protein ligase NEDD4-like (EC 2.3.2.26) (EC 2.3.2.36) (HECT-type E3 ubiquitin transferase NED4L) (NEDD4.2) (Nedd4-2),FUNCTION: E3 ubiquitin-protein ligase that mediates the polyubiquitination of lysine and cysteine residues on target proteins and is thereby

Target Details

implicated in the regulation of various signaling pathways including autophagy, innate immunity or DNA repair. Inhibits TGF-beta signaling by triggering SMAD2 and TGFBR1 ubiquitination and proteasome-dependent degradation. Downregulates autophagy and cell growth by ubiquitinating and reducing cellular ULK1 or ASCT2 levels. Promotes ubiquitination and internalization of various plasma membrane channels such as ENaC, SCN2A/Nav1.2, SCN3A/Nav1.3, SCN5A/Nav1.5, SCN9A/Nav1.7, SCN10A/Nav1.8, KCNA3/Kv1.3, KCNH2, EAAT1, KCNQ2/Kv7.2, KCNQ3/Kv7.3 or CLC5 (PubMed:15123669). Promotes ubiquitination and degradation of SGK1 and TNK2. Ubiquitinates BRAT1 and this ubiquitination is enhanced in the presence of NDFIP1. Plays a role in dendrite formation by melanocytes (By similarity). Involved in the regulation of TOR signaling (By similarity). Ubiquitinates and regulates protein levels of NTRK1 once this one is activated by NGF. Plays a role in antiviral innate immunity by catalyzing 'Lys-29'-linked cysteine ubiquitination of TRAF3, resulting in enhanced 'Lys-48' and 'Lys-63'-linked ubiquitination of TRAF3 (By similarity). {ECO:0000250|UniProtKB:Q96PU5, ECO:0000269|PubMed:11149908, ECO:0000269|PubMed:11244092, ECO:0000269|PubMed:11742982, ECO:0000269|PubMed:12424229, ECO:0000269|PubMed:15123669}.

Molecular Weight: 115.4 kDa

UniProt: [Q8CFI0](#)

Pathways: [Negative Regulation of Transporter Activity](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months