

Datasheet for ABIN7562277  
**NEDD9 Protein (AA 1-833) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	NEDD9
Protein Characteristics:	AA 1-833
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NEDD9 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Nedd9 Protein expressed in mammalian cells.
Sequence:	<p>MWARNLMARA LYDNVPECAE ELAFRKGDIL TVIEQNTGGL EGWWLCSLHG RQGIVPGNRV</p> <p>KLLIGPVQET PGHEQPTPGP MHQTFGQQKL YQVPNSQAAS RDTIYQVPPS YQNQGIYQVP</p> <p>TGHGTPEQDV YQVPPSVQRN IGGTNGPLLS KKVITPVRTG HGYVVEYPSR YQKDVYDVPP</p> <p>SHSTQGVYDI PPSSVKGPVF SVPVGEIKPQ GVIDIPPTQG VYAIPPSACR DEAGLREKEY</p> <p>DFPPPMKQDG KPDTRPEGVY DIPPTSTKTA GKDLHIKFPC DAPGGVEPMA RRHQSFSLHH</p> <p>APSQLGQSGD TQSDAYDVPR GVQFLEVPT TSEKANPEER DGVYDVPLHN PADAKGSRDV</p> <p>VDGINRLSFS STGSTRSNMS TSSTSSKES LSASPSQDKR LRLDPDTAIE KLYRLQQTLE</p> <p>MGVCSLMSLV TTDWRCYGYM ERHINEIRTA VDKVELFLRE YLHFAKGALA NASCLPELVL</p> <p>HNKMKRELQR VEDSHQILSQ TSHDLNECSW SLNILAINKP QNKCDLDRF VMVAKTVPDD</p> <p>AKQLTTTIST YAETLFRADP ANSHLKNPN SIMNSSEYTH PGSQMQLHP GDYKAQVHSK</p> <p>PLPPSLSKDQ PPDCGSSDGS ERSWMDDYDY VHLQGKEEFE RQKELLEKE NIMKQSKAQL</p> <p>EHHQLSQFQL LEQEITKPVE NDISKWKPSQ SLPTTNNSVG AQDRQLLCFY YDQCETHFIS</p>

## Product Details

LLNAIDALFS CVSSAQPPRI FVAHSKFVIL SAHKLFIGD TLTRQVAAQD IRNKVRNSSN

QLCEQLKTIV MATKMAALHY PSTTALQEMV HQVTDLSRNA QLFKRSLLEM ATF **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:** NEDD9

**Alternative Name:** Nedd9 ([NEDD9 Products](#))

**Background:** Enhancer of filamentation 1 (mEF1) (CRK-associated substrate-related protein) (CAS-L) (Neural precursor cell expressed developmentally down-regulated protein 9) (NEDD-9) (p105),FUNCTION: Scaffolding protein which plays a central coordinating role for tyrosine-kinase-based signaling related to cell adhesion (By similarity). As a focal adhesion protein, plays a role in embryonic fibroblast migration (PubMed:25059660). May play an important role in integrin beta-1 or B cell antigen receptor (BCR) mediated signaling in B- and T-cells. Integrin

## Target Details

beta-1 stimulation leads to recruitment of various proteins including CRK1 and SHPTP2 to the tyrosine phosphorylated form (By similarity). Promotes adhesion and migration of lymphocytes, as a result required for the correct migration of lymphocytes to the spleen and other secondary lymphoid organs (PubMed:16148091, PubMed:17174122). Plays a role in the organization of T-cell F-actin cortical cytoskeleton and the centralization of T-cell receptor microclusters at the immunological synapse (PubMed:27359298). Negatively regulates cilia outgrowth in polarized cysts (By similarity). Modulates cilia disassembly via activation of AURKA-mediated phosphorylation of HDAC6 and subsequent deacetylation of alpha-tubulin (By similarity). Positively regulates RANKL-induced osteoclastogenesis (PubMed:27336669). Required for the maintenance of hippocampal dendritic spines in the dentate gyrus and CA1 regions, thereby involved in spatial learning and memory (PubMed:26683084).

{ECO:0000250|UniProtKB:A0A8I3PDQ1, ECO:0000250|UniProtKB:Q14511, ECO:0000269|PubMed:16148091, ECO:0000269|PubMed:17174122, ECO:0000269|PubMed:25059660, ECO:0000269|PubMed:26683084, ECO:0000269|PubMed:27336669, ECO:0000269|PubMed:27359298}.

Molecular Weight: 93.1 kDa

UniProt: [O35177](#)

## 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