

[Go to Product page](#)

## Datasheet for ABIN7520354 **NEDD8 Protein (His tag)**

### Overview

Quantity:	50 µg
Target:	NEDD8
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NEDD8 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human NEDD8 Protein
Sequence:	MLIKVKTLTG KEIEDIEPT DKVERIKERV EEKEGIPPQQ QRLIYSGKQM NDEKTAADYK ILGGSVLHLV LALRGG
Specificity:	Met1-Gly76
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered

### Target Details

Target:	NEDD8
Alternative Name:	NEDD8 ( <a href="#">NEDD8 Products</a> )
Background:	Description: Neural Precursor Cell Expressed Developmentally Downregulated Gene 8 (NEDD8), also known as Related to Ubiquitin 1 (Rub1), is a 6-8 kDa member of the Ubiquitin family of proteins. Human NEDD8 is activated by a distinct NEDD8-activating (E1) enzyme, a

## Target Details

heterodimeric complex composed of APPBP1 and UBA3 subunits . Activated NEDD8 is subsequently transferred to the UBE2M/Ubc12 or UBE2F NEDD8-conjugating (E2) enzymes . Through a process termed neddylation, the ROC1/Rbx1 RING Finger E3 ligase transfers NEDD8 to specific substrates. NEDD8 plays a critical regulatory role in cell proliferation and dysregulation of the NEDD8 pathway has been associated with several cancer pathologies .

Name: NEDD8,NEDD-8

Gene ID: 4738

UniProt: [Q15843](#)

Pathways: [Ubiquitin Proteasome Pathway](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Buffer: Lyophilized from a 0.22 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.

Storage: -20 °C,-80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80 °C for long term.

After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.