

[Go to Product page](#)

Datasheet for ABIN7318811

**NEDD8 Protein (SUMO Tag,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 SUMO Tag,His tag. |

## Product Details

|                  |  |
|------------------|--|
| Purpose:         | Recombinant Human NEDD8 Protein (His Tag, SUMO Tag)  |
| Sequence:        | Met 1-Gly76  |
| Characteristics: | Recombinant Human Neural precursor cell expressed developmentally down-regulated protein 8 is produced by our E.coli expression system and the target gene encoding Met1-Gly76 is expressed with a 6His, SUMO tag at the N-terminus. |
| Purity:          | > 95 % as determined by reducing SDS-PAGE.   |
| Endotoxin Level: | < 1.0 EU per µg as determined by the LAL method.   |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | NEDD8   |
| Alternative Name: | NEDD8 ( <a href="#">NEDD8 Products</a> )  |
| Background:       | Background: Human NEDD8 shares 60 % amino acid sequence identity to ubiquitin. The only known substrates of NEDD8 modification are the cullin subunits of SCF ubiquitin E3 ligases. |

## Target Details

The NEDDylation of cullins is critical for the recruitment of E2 to the ligase complex, thus facilitating ubiquitin conjugation. NEDD8 modification has therefore been implicated in cell cycle progression and cytoskeletal regulation.

Synonym: Neural precursor cell expressed developmentally down-regulated protein 8, NEDD8, Neddylin, Ubiquitin-like protein Nedd8,

Molecular Weight: 20.9 kDa

UniProt: [Q15843](#)

Pathways: [Ubiquitin Proteasome Pathway](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 5 % Trehalose, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.