

Recombinant Human NEDD8

(N-6His-SUMO)

Catalog # EPT278

Expression Host E.coli

DESCRIPTION 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.

Accession Q15843

Synonyms Neural precursor cell expressed developmentally

down-regulated protein 8; NEDD8; Neddylin;

Ubiquitin-like protein Nedd8

Mol Mass 20.9 KDa

AP Mol Mass 24 KDa, reducing conditions

Purity Greater than 95% as determined by reducing

SDS-PAGE.

Endotoxin Less than 0.1 ng/μg (1 EU/μg) as determined by LAL

test.



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FORMULATION

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

RECONSTITUTION

Always centrifuge tubes before opening.Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SHIPPING

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

STORAGE

Lyophilized protein should be stored at < -20 ° C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20° C for 3 months.

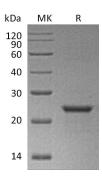
BACKGROUND

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. 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.



SDS-PAGE

