ELK Biotechnology

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