

Product Name: Recombinant Human NEDD8 (N-6His-SUMO)
Catalog #: PEH1784

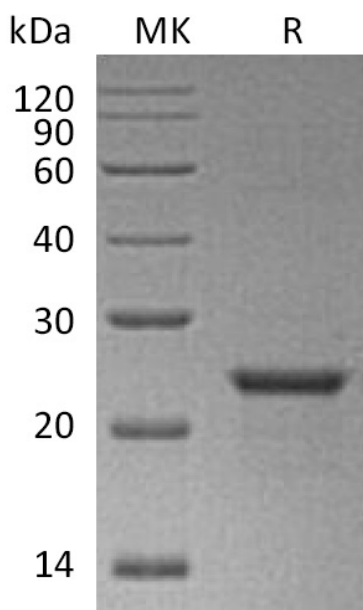


Summary

Name	Ubiquitin-like protein Nedd8/NEDD8
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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
Host	E.coli
Species	Human
Predicted Molecular Mass	20.9 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 5% Trehalose, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
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.

SDS-PAGE image

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Alternative Names

Neural precursor cell expressed developmentally down-regulated protein 8; NEDD8; Neddylin; Ubiquitin-like protein Nedd8

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.

Note

For Research Use Only , Not for Diagnostic Use.