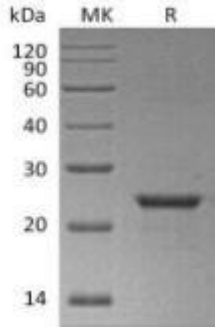


Recombinant Human NEDD8

Catalog#:P00326 Derived from *E.coli*

DESCRIPTION	<p>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.</p> <p>Accession#: Q15843</p> <p>Known as: Neural precursor cell expressed developmentally down-regulated protein 8; NEDD8; Neddylin; Ubiquitin-like protein Nedd8</p>
FORMULATION	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 5% Trehalose, pH 7.4.
SHIPPING	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
STORAGE	<p>Lyophilized protein should be stored at <-20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
RECONSTITUTION	<p><i>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.</i></p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
QUALITY CONTROL	<p>Mol Mass:20.9kDa AP Mol Mass:24kDa, reducing conditions.</p> <p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.</p>
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	 <p>The SDS-PAGE gel shows a single prominent band in lane R at approximately 24 kDa, corresponding to the expected molecular weight of recombinant human NEDD8. Lane MK (molecular weight marker) shows bands at 120, 90, 60, 40, 30, 20, and 14 kDa.</p>