

Recombinant Human NEDD8 Protein (His Tag, SUMO Tag)



Catalog Number:PKSH032791

Note: Centrifuge before opening to ensure complete recovery of vial contents.

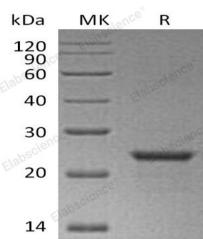
Description

Synonyms	Neural precursor cell expressed developmentally down-regulated protein 8;NEDD8;Neddylin;Ubiquitin-like protein Nedd8;
Species	Human
Expression Host	E.coli
Sequence	Met 1-Gly76
Accession	Q15843
Calculated Molecular Weight	20.9 kDa
Observed molecular weight	24 kDa
Tag	N-His-SUMO

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,5% Trehalose,pH7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the p
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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.

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