Datasheet for ABIN1692401

NEDD8 Protein (AA 1-76) (His tag,SUMO Tag)

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Overview

Quantity:	50 µg
Target:	NEDD8
Protein Characteristics:	AA 1-76
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NEDD8 protein is labelled with His tag,SUMO Tag.

Product Details

Purpose:	Recombinant Human NEDD8 (N-6His, SUMO tag)
Sequence:	MGHHHHHHGS LQDSEVNQEA KPEVKPEVKP ETHINLKVSD GSSEIFFKIK KTTPLRRLME AFAKRQGKEM DSLRFLYDGI RIQADQAPED LDMEDNDIIE AHREQIGGML IKVKTLTGKE IEIDIEPTDK VERIKERVEE KEGIPPQQQR LIYSGKQMND EKTAADYKIL GGSVLHLVLA LRGG
Characteristics:	Recombinant Human Neural precursor cell expressed developmentally down-regulated protein 8/NEDD8 is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Gly76) of Human NEDD8 fused with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	NEDD8
Alternative Name:	NEDD8 (NEDD8 Products)
Sub Type:	Fusionprotein
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. Alternative Names: Neural precursor cell expressed developmentally down-regulated protein 8, NEDD8, Neddylin, Ubiquitin-like protein Nedd8,
Molecular Weight:	20.9 kDa
UniProt:	Q15843
Pathways:	Ubiquitin Proteasome Pathway

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl,5 % Trehalose, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	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.
Expiry Date:	5 months