Lot # XXXXX

BostonBiochem

MATERIAL DATA SHEET

His_6-NEDP1/SENP8, *human recombinant*
Cat. # E-800

The covalent modification of proteins by NEDD8 is reversible and is mediated by NEDP1. NEDP1 cleaves residues from the C-terminus of NEDD8 precursor proteins to generate the mature and active form which contains the conserved C-terminal di-glycine. This enzyme also reverse the process of NEDDylation by removing poly-NEDD8 conjugates from substrate proteins. NEDP1 has been shown to deconjugate NEDD8 from CUL2 *in vitro* and from CUL4A *in vivo*, and does not show activity against ubiquitin or SUMO proteins. Accession # NP_660205.

Product Information	
Quantity:	50 µg
Stock:	X mg/ml (X mM) in 50 mM Hepes pH 8.0, 100 mM NaCl, 10% glycerol, 5 mM DTT. Concentration will vary with specific Lot #.
MW:	26.5 kDa
Purity:	> 95% by SDS-PAGE

Use & Storage	
Use:	Typical enzyme concentration to support hydrolysis of substrates *in vitro* is 50-500 nM depending on conditions. Pre-incubation (15 min) with 10 mM DTT is recommended to achieve maximum activity.
Storage:	Store at -80°C. Avoid multiple freeze/thaw cycles.

Literature

References:

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