NEDP1 (human), (recombinant) (His-tag)

NEDP1, a human NEDD8-specific protease, is highly conserved throughout evolution and equivalent proteins are present in yeast, plants, insects, and mammals. NEDP1 appears to be specific for NEDD8 as neither ubiquitin nor SUMO bearing COOH- terminal extensions are utilized as substrates. Inhibition studies and mutagenesis indicate that NEDP1 is a cysteine protease with sequence similarities to SUMO-specific proteases and the class of viral proteases typified by the adenovirus protease. *in vivo* NEDP1 deconjugates NEDD8 from a wide variety of substrates including the cullin component of SCF-like complexes. Thus NEDP1 is likely to play an important role in ubiquitin-mediated proteolysis by controlling the activity of SCF complexes.

Ordering Information

Order Online »

BML-UW9770-0100	100µg

Manuals, SDS & CofA

View Online »

Handling & Storage

Long Term Storage -80°C

Shipping Dry Ice

Regulatory Status RUO - Research Use Only

Product Details

Alternative Name NEDD8-specific protease 1, SENP8, Sentrin-specific protease 8, Deneddylase 1

Formulation Liquid. In 50mM TRIS-Cl, pH 7.7, containing 50% glycerol, 1mM DTT.

Source Produced in *E. coli*.

UniProt ID Q96LD8

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ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

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