

Lot # XXXXX

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MATERIAL DATA SHEET

NEDD8 Aldehyde, *human recombinant* **Cat. # UL-801**

A potent and highly specific inhibitor of NEDD8-specific isopeptidases (NEDP1 or SENP8). This protein blocks the hydrolysis of poly-NEDD8 chains on substrate proteins *in vitro* and thus enhances poly-NEDD8 chain accumulation.

Product Information

Quantity:	50 µg
MW:	9.1 kDa
Stock:	0.91 mg/ml (100 µM) in 10 mM sodium acetate pH 4.5.
Purity:	> 95 %
Activity:	K _i = 500 nM vs. NEDP1.

Use & Storage

Use:	Add directly to <i>in vitro</i> assay from the stock solution. Depending on conditions, typical concentrations to fully inhibit NEDPs <i>in vitro</i> are 1-5 µM.
Storage:	Store stock solution at -80°C. Avoid multiple freeze/thaw cycles.

Literature

References:	Hemelaar J., <i>et al.</i> (2004) <u>Mol. Cell. Biol.</u> 24 : 84-95 Mendoza H.M., <i>et al.</i> (2003) <u>J. Biol. Chem.</u> 278 : 25637-25643 Reverter D., <i>et al.</i> (2005) <u>J. Mol. Biol.</u> 345 : 141-151 Wu K., <i>et al.</i> (2003) <u>J. Biol. Chem.</u> 278 : 288882-288891
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