

Lot #

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## MATERIAL DATA SHEET

### FLAG-NEDD8 Vinyl Sulfone, *human recombinant* Cat. # UL-803

This fully functional N-terminal FLAG-tagged NEDD8 is a potent, irreversible inhibitor of NEDD8-specific isopeptidases (like NEDP1 or SENP8, Cat # E-800). Useful for inhibiting the hydrolysis of poly-NEDD8 chains on substrate proteins *in vitro* and thus enhances poly-NEDD8 chain accumulation. The epitope tag is a hydrophilic octapeptide (DYKDDDDK) derived from the sequence of the bacteriophage 7 gene-10 product. This epitope allows for the sensitive identification or purification of NEDD8 deconjugating activities since it is specifically recognized by anti-FLAG antibodies M1, M2 or M5.

#### Product Information

<b>Quantity:</b>	25 µg
<b>Stock:</b>	X mg/ml (50µM) in 50 mM Hepes pH 6.5, 150mM NaCl, 150 mM sodium acetate, 10 % glycerol.
<b>MW:</b>	9.8 kD
<b>Purity:</b>	> 90% by HPLC

#### Use & Storage

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

#### Literature

<b>References:</b>	Borodovsky A., <i>et al.</i> (2002) <u>Chem. Biol.</u> <b>9</b> : 1149-1159
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