

MATERIAL DATA SHEET**HA-SUMO1 Vinyl Sulfone, *human recombinant***
Cat. # UL-703

This N-terminal HA-tagged SUMO is a potent, irreversible and specific inhibitor of SUMO-specific proteases (SENPs). This protein inhibits the hydrolysis of poly-SUMO chains on substrate proteins *in vitro* and thus enhances poly-SUMO chain accumulation. The HA peptide sequence (YPYDVPDYA) is derived from the influenza hemagglutinin protein. This epitope allows for the sensitive identification or purification of SENP activities since it is specifically recognized by anti-HA antibodies and/or anti-HA-agarose.

Product Information

Quantity:	50 µg
Stock:	X mg/ml (XµM) in 50 mM Hepes pH 7.0, 150 mMNaCl, 10 % glycerol. Concentration varies with Lot #.
MW:	11.1 kD
Purity:	> 90%

Use & Storage

Use:	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.
Storage:	Store stock solution at -80°C. Avoid multiple freeze/thaw cycles.

Literature

References:	Borodovsky A., <i>et al.</i> (2002) <u>Chem. Biol.</u> 9 : 1149-1159 Borodovsky A., <i>et al.</i> (2005) <u>Chem. Biochem.</u> 6 : 287-291 Hemelaar J., <i>et al.</i> (2004) <u>Mol. Cell. Bio.</u> 24 : 84-95 Kessler B.M. (2006) <u>Exp. Rev. Proteomics.</u> 3 :213-221 Love K.R., <i>et al.</i> (2007) <u>Nat. Chem. Biol.</u> 3 :697-705 Wang G., <i>et al.</i> (2003) <u>Org. Lett.</u> 5 : 737-740
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