

MATERIAL DATA SHEET

Ubiquitin Aldehyde (Ub-H), *human recombinant* Cat. # U-201

A potent and highly specific inhibitor of all ubiquitin C-terminal hydrolases. This protein blocks the hydrolysis of poly-ubiquitin chains on substrate proteins *in vitro* and thus enhances poly-ubiquitin chain accumulation.

Product Information

Quantity:	50 µg
MW:	8.5 kDa
Stock:	X mg/ml (XµM) in 50mM HCl
Purity:	> 96% by HPLC.
Activity:	K _i = 2.5 nM vs. UCH Isopeptidase-T.

Use & Storage

Use:	Add directly to <i>in vitro</i> assay from the stock solution. Depending on conditions, typical concentrations to fully inhibit UCHs <i>in vitro</i> are 2-5 µM.
Storage:	Store at -80°C. Avoid multiple freeze/thaw cycles. Avoid presence of amino-containing compounds. Do not lyophilize. Do not neutralize until immediately prior to use.

Literature

References:	Hershko A. and Rose I.A. (1987) <u>Proc. Natl. Acad. Sci.</u> 84 :1829-1833
	Melandri F.D., <i>et al.</i> (1996) <u>Biochem.</u> 35 :12893-12900
	Dunten R.L. and Cohen, R.E. (1989) <u>J. Biol. Chem.</u> 264 :16739-16747

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