

Ubiquitin aldehyde, human recombinant

ALTERNATE NAMES:	Ub-H	
CATALOG NO:	4845-50	50 µg
SOURCE:	E. coli	
PURITY:	>97% by HPLC	
CONCENTRATION:	350 µM, 3.1 mg/mL	
MOL. WEIGHT:	8.6 kDa	
PHYSICAL APPEARANCE:	Liquid	
FORMULATION:	In 50 mM NaOAc pH 5.0	

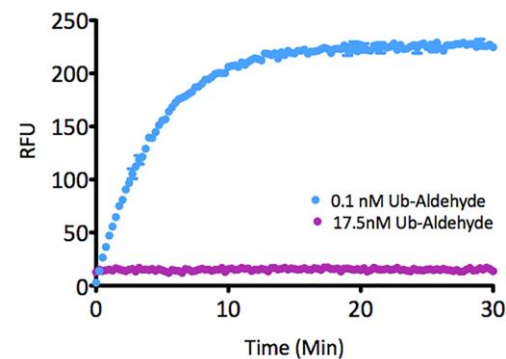
STORAGE CONDITIONS:

Store at -80°C. For long term storage, aliquot and store at -80°C. Avoid repeated freezing and thawing cycles.

DESCRIPTION:

Ubiquitin-Aldehyde is a potent and specific inhibitor of deubiquitinating enzymes (DUBs) based on a C-terminal electrophilic Aldehyde group. Ub-Aldehyde can be used for activity profiling experiments and DUB inhibitor specificity determination. It targets four of the five major DUB families: UCH, USP, OUT, and MJD, while leaving JAMM metalloproteases uninhibited. Reaction conditions will need to be optimized for each specific application. We recommend an initial Recombinant Human Ubiquitin-Aldehyde concentration of 1-5 µM.

BIOLOGICAL ACTIVITY: UCHL3 activity with Ubiquitin-AMC measured in the presence of 17.5 nM and 0.1 nM Ubiquitin Aldehyde.



RELATED PRODUCTS:

- Calpain Inhibitor I, ALLN (Cat. No. 1834-5, 25)
- Calpain Inhibitor II, ALLM (Cat. No. 1834-5, 25)
- Clasto-Lactacystin β-Lactone (Cat. No. 1710-100)
- E6AP Antibody (Cat. No. 3744-100)
- (-)-Epigallocatechin gallate (Cat. No. 1841-50)
- Isopeptidase T (short form), human recombinant (Cat. No. 4861-25)
- Isopeptidase T (long form), human recombinant (Cat. No. 4862-25)
- Lactacystin (Cat. No. 1709-200)
- MG-115 (Cat. No. 1831-1, 5)
- MG-132 (Cat. No. 1703-5, 25)
- PS-341 (Cat. No. 1846-1,5)
- EZSolution™ MG-132 (Cat. No. 1791-5)
- NEDD8-AMC (Cat. No. 4843-25)
- Proteasome Substrate, Fluorogenic (Cat. No. 1832-1, 5)
- Suc-Leu-Leu-Val-Tyr-AMC (Cat. No. 1833-5)
- UbcH1, human recombinant (GST-tag) (Cat. No. 4846-100)
- UbcH2, human recombinant (His-tag) (Cat. No. 4848-100)
- UbcH3, human recombinant (His-tag) (Cat. No. 4849-100)
- UbcH5a, human recombinant (His-tag) (Cat. No. 4851-100)
- UbcH5b, human recombinant (His-tag) (Cat. No. 4852-100)
- UbcH5c, human recombinant (His-tag) (Cat. No. 4854-100)
- Ubiquitin, human recombinant (Cat. No. 4841-100,1000)
- Ubiquitin AMC (Cat. No. 4842-25)
- UCH-L1, human recombinant (GST-tag) (Cat. No. 4855-50)
- USP7 Antibody (Cat. No. 3737-100)
- USP-14 Inhibitor IU1 (Cat. No. 1845-5, 25)

FOR RESEARCH USE ONLY! Not to be used on humans.