

**Ubiquitin Aldehyde, human recombinant protein**  
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**Catalog # PBV10435r****Specification**

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**Ubiquitin Aldehyde, human recombinant protein - Product info**Calculated MW **8.5 kDa KDa****Ubiquitin Aldehyde, human recombinant protein - Additional Info****Other Names**

Ubiquitin Aldehyde

Gene Source

Source

Assay&amp;Purity

Assay2&amp;Purity2

Recombinant

**Format**

Liquid

**Human****E. coli****SDS-PAGE;****HPLC; ≥95%****Yes****Storage**

-80°C. Do not lyophilize. Do not neutralize until immediately prior to use. Avoid presence of amino containing compounds.; An aqueous solution containing 0.15 M HCl

**Ubiquitin Aldehyde, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Ubiquitin Aldehyde, human recombinant protein - Images****Ubiquitin Aldehyde, human recombinant protein - Background**

The C-terminal glycine carboxyl of Ubiquitin is synthetically modified to an aldehyde. Ubiquitin Aldehyde (Ub-H) is useful in the stabilization of ubiquitin-protein conjugates in vitro, enhancing their accumulation in cell lysates and tissue extracts. Inhibition of deubiquitylating enzyme activity by Ub-H can be used to identify and confirm such activity and to determine the inhibition kinetics for a particular enzyme. Recommended concentration for maximal inhibition is 2-5  $\mu$ M. Co-crystallization of ubiquitin aldehyde with specific deubiquitylating enzymes (the inhibitor mimics the natural ubiquitin substrate) has also been used to probe enzyme:substrate interactions.