

RP10066

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Recombinant human Ubiquitin (I44A) protein

Catalog No.: RP10066

Recombinant

Sequence Information

Species **Gene ID** **Swiss Prot**
Human

Tags
6×His tag

Synonyms

Background

Ubiquitin (Ub) is a 76 amino acid protein widely expressed in the cytoplasmic and nucleus of cells. Ub is posttranslationally conjugated to proteins by the E1, E2, E3 protein ubiquitination cascade. Ub can be conjugated on proteins as monoUb or polyUb chains. Protein ubiquitination plays both proteolytic and nonproteolytic functions. Usually, polyubiquitinated proteins are targeted to the 26S proteasome for proteolysis. Typical concentration to support in vitro ubiquitination is 50-100 μ M. I44 is one of the key residues of the hydrophobic patch on Ub surface. The I44A mutant inhibits the interactions of Ub with many Ub-binding domains.

Basic Information

Description

Bio-Activity

Storage

This product is stable at $\leq -70^{\circ}\text{C}$ for up to 6 months from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

Avoid repeated freeze/thaw cycles.

Product Information

Source **Purification**
<I>E. coli</I>

Endotoxin

Formulation

Supplied in 20 mM Tris, 150 mM NaCl, 2 mM BME, 10% Glycerol. Contact us for customized product form or formulation.

Reconstitution

Contact



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