

Catalog No.: RP10175LQ **Recombinant**

Species	Gene ID	Swiss Prot
Human		P0CG47

Tags
No Tag

Synonyms

Ubiquitin

Source <i>E. coli</i>	Purification ≥ 95 % as determined by SDS- PAGE
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[illegible]

Endotoxin

Please contact us for more information.

Formulation

20 mM Tris, 150 mM NaCl, 2 mM β ME,
10% Glycerol

Reconstitution

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 μM . 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.

Description

Bio-Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -70°C. This product is stable at $\leq -70^{\circ}\text{C}$ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

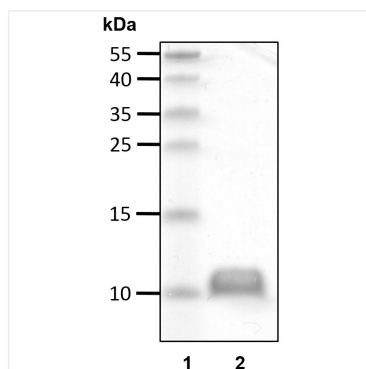
Contact

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Validation Data



Recombinant Human Ubiquitin(I44A) protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.