

Catalog No.: RP10079LQ **Recombinant**

Species	Gene ID	Swiss Prot
Human		

Tags

Synonyms

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 . In Ub(K63 only), all lysine residues but lysine 63 were substituted with arginines, thereby it only supports the formation of lysine 63-linked polyubiquitin chains.

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

[illegible]

Endotoxin

Please contact us for more information.

Formulation

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

Reconstitution

Basic Information

Description

Bio-Activity

Shipping

The product is shipped at ambient temperature. 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

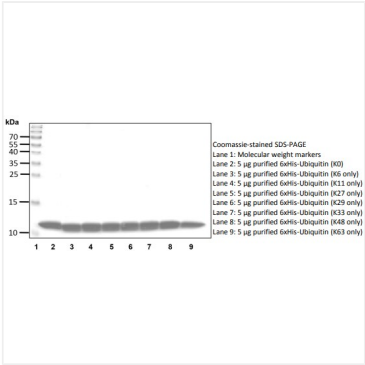
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Recombinant Human Ubiquitin (K63 only) protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.