

Recombinant Human Ubiquitin(K63R) protein

Catalog No.: RP10182LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human		P0CG47

Tags

No Tag

Synonyms

Ubiquitin

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. In Ub(K63R), lysine 63 was substituted with an arginine, thereby it cannot form lysine 63-linked polyubiquitin chains.

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>	~95% SDS-PAGE

Endotoxin

Formulation

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

Reconstitution

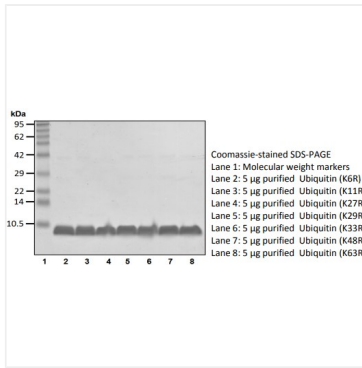
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Validation Data



Recombinant Human Ubiquitin(K63R) protein was determined by SDS-PAGE with Coomassie Blue.