

Recombinant Human Ubiquitin (K all R) protein

Catalog No.: RP10067LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human		

Tags
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. In 6xHis-Ub(K0), all lysine residues were substituted by arginines, thereby it can only support monoubiquitination, but not polyubiquitin chains.

Basic Information

Description

Recombinant Human Ubiquitin (K all R) protein

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

(-80 $^{\circ}$ C)
Avoid repeated freeze/thaw cycles.

Operational Notes

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

Product Information

Source	Purification
<i>E. coli</i>	$\geq 95\%$ as determined by reducing SDS-PAGE.

Calculated MW	Observed MW
	10-15 kDa

Endotoxin
Please contact us for more information.

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

Reconstitution

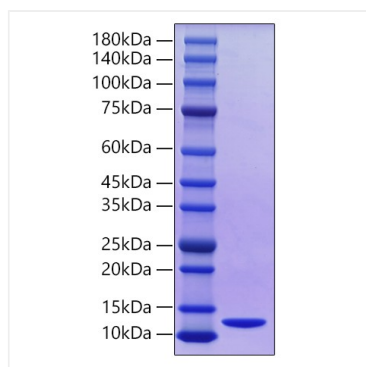
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Validation Data



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