

Recombinant Human Ubiquitin (K29 only) protein

Catalog No.: RP10072LQ **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 Ub(K29 only), all lysine residues but lysine 29 were substituted with arginines, thereby it only supports the formation of lysine 29-linked polyubiquitin chains.

Basic Information

Description

Recombinant Human Ubiquitin (K29 only) 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**
E. coli $\geq 95\%$ 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

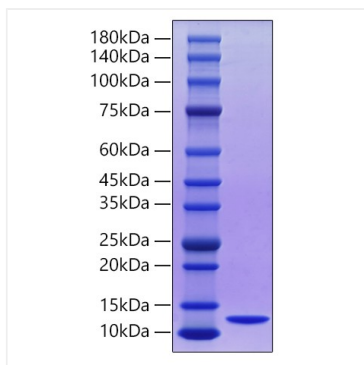
Contact

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Validation Data



Recombinant Human Ubiquitin (K29 only) protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.