

Recombinant Human Ubiquitin (K48R) protein

Catalog No.: RP10077LQ **Recombinant**

Sequence Information

Species **Gene ID** **Swiss Prot**
Human

Tags
His Tag

Synonyms

Product Information

Source **Purification**
E. coli ≥ 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 βME,
10% Glycerol

Reconstitution

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 μM. In Ub(K48R), lysine 48 was substituted with an arginine, thereby it cannot form lysine 48-linked polyubiquitin chains.

Basic Information

Description
Recombinant Human Ubiquitin (K48R) 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℃)
Avoid repeated freeze/thaw cycles.

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

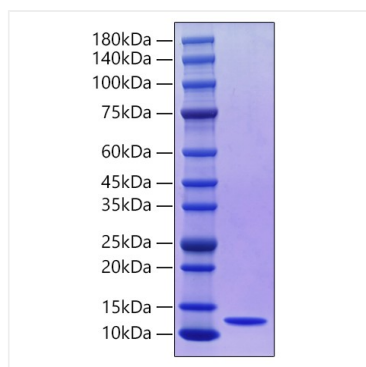
Contact

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Validation Data



Recombinant Human Ubiquitin (K48R) protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.