

Recombinant Human Ubiquitin (K33R) protein

Catalog No.: RP10075LQ **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(K33R), lysine 33 was substituted with an arginine, thereby it cannot form lysine 33-linked polyubiquitin chains.

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. 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 SDS-PAGE.

Calculated MW **Observed MW**

Endotoxin

Please contact us for more information.

Formulation

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

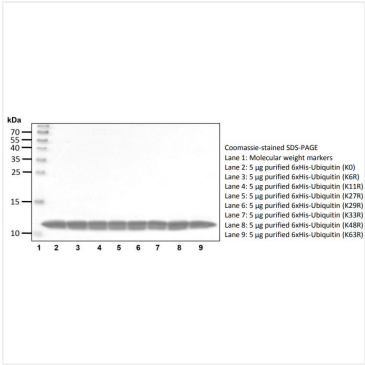
Reconstitution

Contact

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Recombinant Human Ubiquitin (K33R) protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.