

# Recombinant human Ubiquitin (K29R) protein

Catalog No.: RP10073 **Recombinant**

## Sequence Information

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

**Tags**  
6xHis tag

**Synonyms**

## Product Information

**Source**                      **Purification**  
*E. coli*

**Endotoxin**

### Formulation

Supplied in 20 mM Tris, 150 mM NaCl, 2 mM BME, 10% Glycerol. Contact us for customized product form or formulation.

**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  $\mu$ M. In Ub(K29R), lysine 29 was substituted with an arginine, thereby it cannot form lysine 29-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.

## Contact

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