

RP10075LQ

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# Recombinant Human Ubiquitin (K33R) protein

Catalog No.: RP10075LQ **Recombinant**

## Sequence Information

**Species**    **Gene ID**    **Swiss Prot**  
<I>E. coli</I>

**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  $\mu$ M. In Ub(K33R), lysine 33 was substituted with an arginine, thereby it cannot form lysine 33-linked polyubiquitin chains.

## Product Information

**Source**                      **Purification**  
<I>E. coli</I>                      ~95% by SDS-PAGE

**Endotoxin**

**Formulation**  
20 mM Tris, 150 mM NaCl, 2 mM  $\beta$ ME, 10% Glycerol

**Reconstitution**

## Basic Information

**Description**

**Bio-Activity**

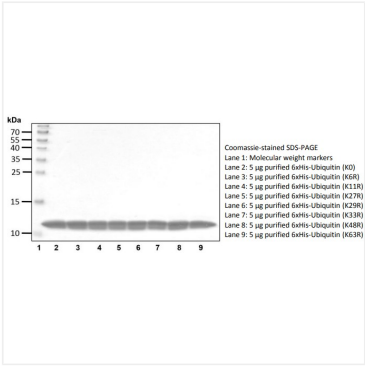
**Storage**

Store at -70°C. This product is stable at  $\leq$  -70°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.

## Contact



[www.abclonal.com](http://www.abclonal.com)



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