

RP10069

Leader in Biomolecular Solutions for Life Science



Recombinant human Ubiquitin (K11R) protein

Catalog No.: RP10069

Recombinant

Sequence Information

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

Tags
6xHis 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(K11R), lysine 11 was substituted with an arginine, thereby it cannot form lysine 11-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.

Product Information

Source **Purification**
<I>E. coli</I>

Endotoxin

Formulation

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

Reconstitution

Contact



www.abclonal.com