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Recombinant Human Ubiquitin (L73P) protein

Catalog No.: RP10082LQ **Recombinant**

Sequence Information

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

Tags
His Tag

Synonyms

Product Information

Source
E. coli

Purification
≥ 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 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. Studies have shown that polyUb chains formed by the Ub(L73P) mutant are resistant to deubiquitination catalyzed by many deubiquitination enzymes.

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℃. This product is stable at ≤ -70℃ 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.

Contact

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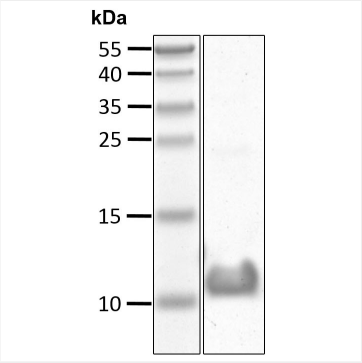
Validation Data



Recombinant Human Ubiquitin (L73P) protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.