Recombinant Human Ubiquitin (I44A) protein

Catalog No.: RP10066LQ

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Sequence Information

Species
Human

Gene ID

Swiss Prot

Tags
His Tag

Synonyms

Product Information

Source
E. coli

Purification
≥ 95% as determined by reducing SDS-PAGE.

Calculated MW

Observed MW
10-15 kDa

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. I44 is one of the key residues of the hydrophobic patch on Ub surface. The I44A mutant inhibits the interactions of Ub with many Ub-binding domains.

Basic Information

Description
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. I44 is one of the key residues of the hydrophobic patch on Ub surface. The I44A mutant inhibits the interactions of Ub with many Ub-binding domains.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

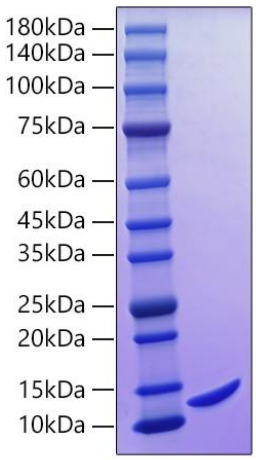
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Human Ubiquitin (I44A) protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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