

RP10193LQ

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# Recombinant Human Ubiquitin-activating enzyme E1/UBE1/UBA1 protein

Catalog No.: RP10193LQ **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
sf9 insect cells	7317	P22314

**Tags**  
No Tag

### Synonyms

A1S9; A1S9T; A1ST; AMCX1; CFAP124; GXP1; POC20; SMAX2; UBA1A; UBE1; UBE1X; UBA1; A1S9T; A1ST; AMCX1; CFAP124; GXP1; POC20; SMAX2; UBA1A; UBE1; UBE1X

## Product Information

Source	Purification
sf9 insect cells	~95% SDS-PAGE

**Endotoxin**

### Formulation

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

### Reconstitution

## Background

UBE1 is an E1 enzyme within the E1, E2, E3 cascade which conjugates Ub to protein substrates. UBE1 activates Ub by catalyzing an ATP – dependent reaction; Ub is conjugated onto the catalytic cysteine residue of UBE1 by formation of a thioester bond. The activated Ub is then passed on to a Ub-conjugating enzyme E2; Ub charged E2 binds a Ub ligase E3 that directly binds substrate proteins. Ub is transferred to the HECT domain E3s prior to being conjugated on substrate proteins. For RING domain E3s, Ub is transferred directly from an E2 to substrate proteins.

## Basic Information

### Description

### Bio-Activity

### Storage

Store at  $-70^{\circ}\text{C}$ . This product is stable at  $\leq -70^{\circ}\text{C}$  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.

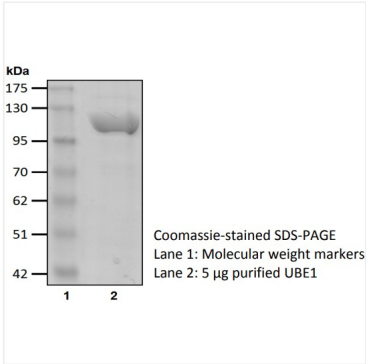
## Contact



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

\* For your safety and health, please wear a lab coat and disposable gloves when handling.

# Validation Data



Recombinant Human Ubiquitin-activating enzyme E1/UBE1/UBA1 protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.