



## Synonym

A1S9T and BN75 temperature sensitivity complementing, A1S9T, A1ST, AMCX1, GXP1, MGC4781, POC20 centriolar protein homolog, POC20, Protein A1S9, SMAX2, UBA1, UBA1, ubiquitin-activating enzyme E1 homolog A, UBA1A, UBE1, UBE1A1S9, UBE1X, ubiquitin-activating enzyme E1 (A1S9T and BN75 temperature sensitivity complementing), Ubiquitin-activating enzyme E1, Ubiquitin-activating Enzyme, Ubiquitin-activating Enzyme, ubiquitin-like modifier activating enzyme 1, ubiquitin-like modifier-activating enzyme 1

## Source

Human UBE1/UBA1, His Tag (UB1-H5248) is expressed from Baculovirus-Insect cells. It contains AA Ser 2- Arg 1058 (Accession # [P22314-1](#)).

## Molecular Characterization

Poly-his UBE1(Ser 2- Arg 1058)  
P22314-1

This protein carries a polyhistidine tag at the N-terminus.

The protein has a calculated MW of 119.8 kDa. The protein migrates as 80-110 kDa under reducing (R) condition (SDS-PAGE).

## Endotoxin

Less than 1.0 EU per µg by the LAL method.

## Purity

>95% as determined by SDS-PAGE.

## Formulation

Supplied as 0.2 µm filtered solution in 20 mM Tris, 150 mM NaCl, pH7.5 with glycerol as protectant.

Contact us for customized product form or formulation.

## Shipping

*This product is supplied and shipped with dry ice, please inquire the shipping cost.*

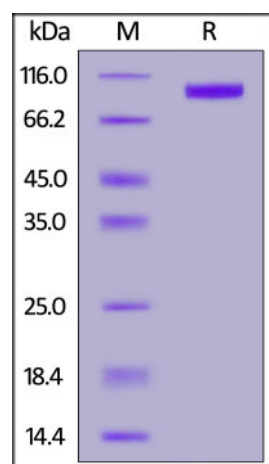
## Storage

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- The product MUST be stored at -70°C or lower upon receipt;
- -70°C for 3 months under sterile conditions.

## SDS-PAGE



Human UBE1/UBA1, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

## Background

The protein encoded by this gene catalyzes the first step in ubiquitin conjugation to mark cellular proteins for degradation. This gene complements an X-linked mouse temperature-sensitive defect in DNA synthesis, and thus may function in DNA repair. It is part of a gene cluster on chromosome Xp11.23. Alternatively spliced transcript variants that encode the same protein have been described. [provided by RefSeq, Jul 2008]

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