

## Recombinant Human UBA1 protein(Ser2-Arg1058), His&GST-tagged

Cat. No. UBA1-7333H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human UBA1 (NP_003325.2) (Ser 2-Arg 1058) was expressed in Insect Cells, fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	Ser2-Arg1058
<b>Form</b>	Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 7.4, 10% gly, 0.5mM GSH Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Molecular Mass</b>	The recombinant human UBA1/GST chimera consists of 1294 amino acids and has a calculated molecular mass of 146 KDa. It migrates as an approximately 130 KDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	> 90 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** UBA1 ubiquitin-like modifier activating enzyme 1 [ Homo sapiens ]

**Official Symbol** UBA1

**Synonyms**

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

**Gene ID** 7317

**mRNA Refseq** NM\_003334

**Protein Refseq** NP\_003325

**MIM** 314370

**UniProt ID** P22314

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