

Recombinant Full Length Human UBA1 Protein, His-tagged

Cat. No. UBA1-337H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full length Recombinant Human UBA1 (Ubiquitin-Like Modifier Activating Enzyme 1) Protein is produced in Insect Cells and is fused with a His tag at the N-terminal.
Species	Human
Source	Insect Cells
ProteinLength	1-1058 a.a.
Description	UBA1 (UniProt/Swiss-Prot entry P22314) catalyzes the first step in ubiquitin conjugation to mark cellular proteins for degradation. It activates ubiquitin by adenylating the C-terminal glycine residue with ATP and subsequently linking the adenylated glycine to the side chain of a cysteine residue in E1 thereby forming a ubiquitin-E1 thioester. UBA1 is also required for DNA repair response to replication stress.
Form	20mM Tris-Cl pH 7.6, 1 mM EDTA, 0.15 M NaCl, 10% glycerol, 0.5 mM PMSF and 1 mM DTT.
Purity	Purified using FPLC, >95% purity as determined by SDS-PAGE.
Notes	This product is for research use only. Not for use in diagnostic or therapeutic procedures.
Stability	Guaranteed stable for 2 years from date of receipt when stored properly.

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Storage	Store at -80 centigrade.
Concentration	0.5 g/μ
Full Length	Full L.

GENE INFORMATION

Gene Name	UBA1 ubiquitin-like modifier activating enzyme 1 [Homo sapiens]
Official Symbol	UBA1
Synonyms	UBA1; ubiquitin-like modifier activating enzyme 1; POC20; UBE1X; 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

SDS page of the UBA1 recombinant protein. The position of the protein of interest is indicated on the right; the marker (in kDa) is shown on the left.

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