

TECHNICAL DATASHEET

UBA1 recombinant protein

Other names: UBA1A, UBE1, UBE1X, A1S9, A1S9T, AMCX1, SMAX2, A1ST, GXP1, CFAP124, P0C20

Cat. No. C23010111
Source: Baculovirus

Lot #: 001 **Size:** 5 μg/ 10 μl

Concentration: $0.5 \mu g/\mu l$ Specificity: Human **Purity:** Purified using FPLC, >95% purity as determined by SDS-PAGE.

Storage buffer: 20 mM Tris-Cl pH 7.6, 0.15 M NaCl, 10%

glycerol, and 1 mM DTT.

Storage: Store at -80° C; guaranteed stable for 2 years from

date of receipt when stored properly.

Precautions: This product is for research use only. Not for

use in diagnostic or therapeutic procedures.

Description: Full length recombinant human N-terminal His tagged UBA1 (Ubiquitin-Like Modifier Activating Enzyme 1) protein, produced in Baculovirus.

Protein description

UBA1 (UniProt/Swiss-Prot entry P22314) is 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.

Quality control

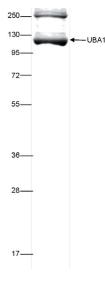


Figure 1.

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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