UBA1 (UBE1) Recombinant Protein | UBA1 recombinant protein

UBA1 (UBE1), Active

CATALOG #	HOST	APPLICATIONS
AAA74076	**Sf9 insect cells**	**Western Blot**

PRODUCT SYNONYMS

UBA1 (UBE1); Active; UBE1; CTD-2522E6.1; A1S9; A1S9T; A1ST; AMCX1; GXP1; POC20; SMAX2; UBA1A; UBE1X; UBA1 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant proteins stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for UBA1 recombinant protein	WB (Western Blot)
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES

SDS-PAGE
Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.

Activity
Specific Activity: Sample Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for UBA1 recombinant protein	Full-length recombinant human UBA1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The UBA1 gene accession number is NM_003334. Ubiquitin-activating enzyme 1 (UBA1) catalyzes the first step in ubiquitin conjugation to mark cellular proteins for degradation through the ubiquitin-proteasome system. UBA1 activates ubiquitin by first adenylating its C-terminal glycine residue with ATP, and thereafter linking this residue to the side chain of a cysteine residue in E1, yielding a ubiquitin-E1 thioester and free AMP. Posttranslational modification by ubiquitin or ubiquitin-like proteins regulates numerous processes, including cell division, immune responses and embryonic development.
Product Categories/Family for UBA1 recombinant protein	Ubiquitin Enzymes; Cancer; Cell Cycle; Neurobiology

References	1. Mondal, S. et al: A bioluminescent assay for monitoring conjugation of ubiquitin and ubiquitin-like proteins. Anal. Biochem. 510: 41-51, 2016 2. Haas, A.L. et al: Ubiquitin-activating enzyme. Mechanism and role in protein-ubiquitin conjugation. J. Biol. Chem. 257(5):2543-2548, 1982 3. McGrath, J.P. et al: UBA 1: an essential yeast gene encoding ubiquitin-activating enzyme. EMBO J. 10(1):227-236, 1991

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_003334
Molecular Weight	145kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/uba1-ube1-recombinant-protein-sf9-insect-cells-wb-western-blot/74076