

Recombinant Human UBE1 Protein

Cat. No. UBE1-101H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human UBE1 Protein is produced by Sf21 insect cells expression system.
Species	Human
Source	Insect cells
Description	UBE1 is an E1 enzyme within the E1, E2, E3 cascade which conjugates Ub to protein substrates. UBE1 activates Ub by catalyzing an ATP – dependent reaction; Ub is conjugated UBE1 is an E1 enzyme within the E1, E2, E3 cascade which conjugates Ub to protein substrates. UBE1 activates Ub by catalyzing an ATP – dependent reaction; Ub is conjugated onto the catalytic Cys residue of UBE1 by formation of a thioester bond. The activated Ub is then passed on to a Ub-conjugating enzyme E2; Ub charged E2 binds a Ub ligase E3 that directly binds substrate proteins. Ub is transferred to the HECT domain E3s prior to being conjugated on substrate proteins. For RING domain E3s, Ub is transferred directly from an E2 to substrate proteins.
Form	20 mM Tris, 150 mM NaCl, 2 mM β ME, 10% Glycerol.
Molecular Mass	117.8 kDa
Purity	> 95 % by SDS-PAGE
Storage	Store at -80 centigrade; Avoid multiple freeze-thaw cycles.

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GENE INFORMATION

Gene Name	UBA1 ubiquitin like modifier activating enzyme 1 [Homo sapiens (human)]
Official Symbol	UBA1
Synonyms	UBA1;A1S9; A1ST; GXP1; UBE1; A1S9T; AMCX1; POC20; SMAX2; UBA1A; UBE1X
Gene ID	7317
mRNA Refseq	NM_003334
Protein Refseq	NP_003325
UniProt ID	P22314

Coomassie-stained SDS-PAGE
 Lane 1: Molecular weight markers
 Lane 2: 5 µg purified UBE1

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