

Recombinant Human Ubiquitin-like Modifier Activating Enzyme 1

Cat. No. UBA1-58H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Ubiquitin-like Modifier Activating Enzyme 1 was expressed in Sf9 cells.
Species	Human
Source	Sf9 Cells
Description	Ubiquitin Activating Enzyme (E1) is responsible for the first step in ubiquitin-protein isopeptide bond formation. E1 catalyzes the activation of the C-terminal carboxyl group of ubiquitin by forming a high-energy thioester bond in an ATP-dependent manner.
Form	Solution in 50 mM HEPES pH 8.0.
Storage	-70°C.

GENE INFORMATION

Gene Name	UBA1 ubiquitin-like modifier activating enzyme 1 [Homo sapiens]
Synonyms	UBA1; ubiquitin-like modifier activating enzyme 1; A1S9; A1ST; GXP1; UBE1; A1S9T; AMCX1; SMAX2; UBA1A; UBE1X; MGC4781; UBA1, ubiquitin-activating enzyme E1 homolog A; A1S9T and BN75 temperature sensitivity complementing; ubiquitin-activating enzyme E1; EC 6.3.2.19

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Gene ID	7317
mRNA Refseq	NM_003334
Protein Refseq	NP_003325
MIM	314370
UniProt ID	P22314
Chromosome Location	Xp11.23
Pathway	Parkinson's disease; Ubiquitin mediated proteolysis
Function	ATP binding; ligase activity; nucleotide binding; small protein activating enzyme activity; protein binding

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