

Recombinant Human UBA1, GST-tagged

Cat. No. UBA1-476H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human UBA1, amino acids 2-end with N-terminal FLAG tag expressed in Sf9 expression system. MW = 118kDa.
Species	Human
Source	Sf9 Cells
Protein Length	2-end a.a.
Description	Ubiquitin-like modifier activating enzyme 1, also known as UBA1, is an enzyme which in humans is encoded by the UBA1 gene. In non-primates, the gene UBE1, rather than the SRY gene, is commonly used for sexual determination.
Purity	>65%.
Application	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Formulated In	25 mM Tris-HCl, pH 8.0, 100 mM NaCl, 0.05% Tween-20, 30% glycerol, and 3 mM DTT.
Stability	>6 months at –80°C.

GENE INFORMATION

Gene Name	UBA1 ubiquitin-like modifier activating enzyme 1 [Homo sapiens]
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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
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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