

Recombinant Human UBE2Z, His-tagged

Cat. No. UBE2Z-233H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	UBE2Z, 1-246aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-246aa
Description	UBE2z belongs to the ubiquitin-conjugating enzyme family. This protein catalyzes the covalent attachment of ubiquitin to other proteins. It is a specific substrate for UBA6, not charged with ubiquitin by UBE1 and may be involved in apoptosis regulation. Recombinant human UBE2Z protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	30.5 kDa (269aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMsiYKEP PPGMFVVPDT VDMTKIHALI TGPFDTPTYEG GFFLFVFRCP PDYPIHPPRV KLMTTGNNVT RFNPNFYRNG KVCLSILGTW TGPAWSPAQS ISSVLISIQS LMTENPYHNE PGFEQERHPG DSKNYNECIR HETIRVAVCD MMEGKPCPE PLRGVMEKSF LEYYDFYEVA CKDRLHLQGQ TMQDPFGEKR GHFDYQSLLM RLGLIRQKVL ERLHNENAEM DSDSSSSGTE TDLHGSLRV

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Purity	>95% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	UBE2Z ubiquitin-conjugating enzyme E2Z [Homo sapiens]
Official Symbol	UBE2Z
Synonyms	UBE2Z; ubiquitin-conjugating enzyme E2Z; ubiquitin-conjugating enzyme E2 Z; FLJ13855; UBA6 specific enzyme E2; USE1; UBA6-specific enzyme E2; ubiquitin-protein ligase Z; ubiquitin carrier protein Z; uba6-specific E2 conjugating enzyme 1; HOYS7;
Gene ID	65264
mRNA Refseq	NM_023079
Protein Refseq	NP_075567
MIM	611362
UniProt ID	Q9H832
Chromosome Location	17q21.32
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing:

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Ubiquitination and Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Immune System, organism-specific biosystem; Ubiquitin mediated proteolysis, organism-specific biosystem;

Function

ATP binding; acid-amino acid ligase activity; ligase activity; nucleotide binding; ubiquitin-protein ligase activity;

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