

Recombinant Human UBE2Z, His-tagged

Cat. No. UBE2Z-211H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human UBE2Z (USE1) (109-end) was expressed in E. coli cells using an N-terminal His tag.
Species	Human
Source	E.coli
ProteinLength	109-end a.a.
Description	UBE2Z(USE1) encodes the ubiquitin conjugating enzyme (E2) which is involved in Ubiquitination, the covalent attachment of the protein ubiquitin (Ub) to other cellular proteins. UBE2Z plays an important role in the ubiquitin process and has been implicated in a number of important physiological processes including apoptosis. UBE2Z is specifically charged with ubiquitin by UBA6. UBE2Z is widely expressed in human tissues and expression is especially high in placenta, pancreas, spleen and testis.
Form	Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Molecular Mass	~30 kDa
Purity	>80% by densitometry
Applications	Western Blot

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Storage	Store product at –70 centigrade. 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.
Concentration	0.1 µg/µl
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 & 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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