Recombinant Human UBE2W, His-tagged

Cat. No. UBE2W-67H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanUBE2W protein, fused to His-tag at N-terminus, was expressed in E. coli andpurified by using conventional chromatography techniques.
Species	Human
Source	Human
ProteinLength	1-151 a.a.
Description	UBE2Waccepts ubiquitin from the E1 complex and catalyzes its covalent attachmentto other proteins. This protein in vitro catalyzes monoubiquitination and"Lys-11"-linked polyubiquitination. UBE2W is widely expressed, especially athighest levels in testis.
Form	Liquid. In 20mMTris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl.
Molecular Weight	19.5 kDa(171 aa), confirmed by MALDI-TOF.
Purity	> 90%by SDS - PAGE
Concentration	1 mg/ml(determined by Bradford assay)
Sequences of aminoacids	MGSSHHHHHHSSGLVPRGSH MASMQKRLQK ELLALQNDPP PGMTLNEKSV QNSITQWIVD MEGAPGTLYEGEKFQLLFKF SSRYPFDSPQ VMFTGENIPV

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	HPHVYSNGHI CLSILTEDWS PALSVQSVCL SIISMLSSCKEKRRPPDNSF YVRTCNKNPK KTKWWYHDDT C
Storage	Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	UBE2W ubiquitin-conjugatingenzyme E2W (putative) [Homo sapiens]
Official Symbol	UBE2W
Synonyms	UBE2W; ubiquitin-conjugating enzyme E2W(putative); UBC16; UBC-16; hUBC-16; FLJ11011; ubiquitin-conjugating enzyme E2W; ubiquitin-protein ligase W; ubiquitin carrier protein W;ubiquitin-conjugating enzyme 16; probable ubiquitin-conjugating enzyme E2 W;EC 6.3.2.19; OTTHUMP00000226882; OTTHUMP00000226883
Gene ID	55284
mRNA Refseq	NM_018299
Protein Refseq	NP_060769
MIM	614277
UniProt ID	Q96B02
Chromosome Location	8q21.11
Pathway	Adaptive Immune System; Antigen processing:Ubiquitination & Proteasome

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	degradation; Class I MHC mediated antigenprocessing & presentation; Immune System; Ubiquitin mediated proteolysis
Function	ATP binding; acid-amino acid ligaseactivity; ligase activity; nucleotide binding; ubiquitin-protein ligaseactivity

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