

Recombinant Human Ubiquitin-Conjugating Enzyme E2H, His-tagged

Cat. No. UBE2H-1959H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanUBE2H protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	UBE2H(Ubiquitin-conjugating enzyme E2 H) belongs to the ubiquitin-conjugating enzyme family. The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. UBE2H is Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins.
Form	Liquid. In 20 mM Tris-HCl buffer, pH8.0, 10% glycerol, 1mM DTT, 50mM NaCl.
Molecular Weight	23.1 kDa(206aa) confirmed by MALDI-TOF.
Purity	> 95% by SDS-PAGE
Concentration	1 mg/ml(determined by Bradford assay)

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Sequences of aminoacids	MGSSHHHHHSSGLVPRGSH MGSMSPPSPG KRRMDTDVVK LIESKHEVTI LGGLNEFVVK FYGPQGTPYEGGVWKVRVDL PDKYPFKSPS IGFMNKIFHP NIDEASGTVC LDVINQWTA LYDLTNIFES FLPQLLAYPNPIDPLNGDAA AMYLHRPEEY KQKIKEYIQK YATEEALKEQ EEGTGDSSSE SSMSDFSEDE AQDMEL
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	UBE2H ubiquitin-conjugatingenzyme E2H [Homo sapiens]
Official Symbol	UBE2H
Synonyms	UBE2H; ubiquitin-conjugating enzyme E2H;UBC8; Ubch2; UBCH; UBCH2; E2-20K; ubiquitin-conjugating enzyme E2 H;ubiquitin-protein ligase H; ubiquitin carrier protein H;ubiquitin-conjugating enzyme E2-20K; ubiquitin-conjugating enzyme E2H (UBC8homolog, yeast); ubiquitin-conjugating enzyme E2H (homologous to yeast UBC8);EC 6.3.2.19; OTTHUMP00000212335; OTTHUMP00000212338; OTTHUMP00000212339;OTTHUMP00000212355
Gene ID	7328
mRNA Refseq	NM_003344
Protein Refseq	NP_003335
MIM	601082
UniProt ID	P62256

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Chromosome Location	7q32
Pathway	Adaptive Immune System; Antigen processing;Class I MHC mediated antigen processing & presentation; Immune System;Ubiquitin mediated proteolysis
Function	ATP binding; acid-amino acid ligaseactivity; ligase activity; nucleotide binding; ubiquitin-protein ligaseactivity
PDB rendering based on 1yh6.	