

Recombinant Human UBE2H protein, GST-tagged

Cat. No. UBE2H-375H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human UBE2H protein (Met1-Leu183), fused to GST tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	183
Description	Ubiquitin-conjugating enzyme E2 H (UBE2H), a member of the ubiquitin-conjugating enzyme family, is also known as ubiquitin carrier protein H, ubiquitin-conjugating enzyme E2-20K and ubiquitin-protein ligase H. The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. At the same time, ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. Furthermore, UBE2H can accept ubiquitin from the E1 complex and catalyze its covalent attachment to other proteins. In vitro, UBE2H can also catalyze 'Lys-11'- and 'Lys-48'-linked polyubiquitination, and it is capable, in vitro, to ubiquitinate histone H2A.
Form	Lyophilized from 0.22 um filtered solution in 50 mM HEPES, 150 mM NaCl, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 47.6 kDa. The protein migrates as 45 kDa under reducing (R) condition (SDS-PAGE).

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Endotoxin	Less than 1.0 EU per ug by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	UBE2H
Official Symbol	UBE2H
Synonyms	UBE2H; ubiquitin-conjugating enzyme E2H; ubiquitin conjugating enzyme E2H (homologous to yeast UBC8) , ubiquitin conjugating enzyme E2H (UBC8 homolog, yeast); ubiquitin-conjugating enzyme E2 H; UBC8; UBCH; ubiquitin-protein ligase H; ubiquitin carrier protein H; ubiquitin-conjugating enzyme E2-20K; ubiquitin-conjugating enzyme E2H (UBC8 homolog, yeast); ubiquitin-conjugating enzyme E2H (homologous to yeast UBC8); UBCH2; E2-20K
Gene ID	7328
mRNA Refseq	NM_001202498

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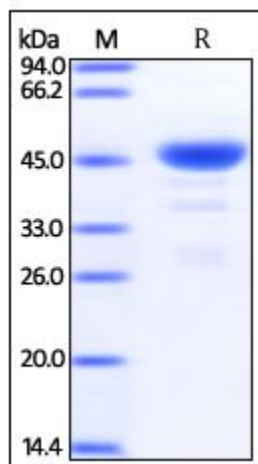
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Protein Refseq NP_001189427

MIM 601082

UniProt ID P62256

**SDS-PAGE of
UBE2H-375H**



Human Ubch2, GST Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

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