

Recombinant Human UBE2W, GST-tagged

Cat. No. UBE2W-200H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human UBE2W was expressed in E. coli cells using an N-terminal GST tag.
Species	Human
Source	E.coli
Description	UBE2W or ubiquitin-conjugating enzyme E2W (putative) encodes a nuclear-localized ubiquitin-conjugating enzyme (E2). Ubiquitin-conjugating enzyme (E2) along with ubiquitin-activating (E1) and ligating (E3) enzymes coordinates the addition of an ubiquitin moiety to existing proteins. UBE2W interacts with FANCL and regulates the monoubiquitination of Fanconi anemia protein FANCD2 and may be important in the repair of DNA damage. UBE2W is highly expressed in heart, brain, liver, and pancreas.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~45 kDa
Purity	>75% by densitometry
Applications	Western Blot
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller

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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

Full Length Full L.

GENE INFORMATION

Gene Name UBE2W ubiquitin-conjugating enzyme E2W (putative) [Homo sapiens]

Official Symbol UBE2W

Synonyms UBE2W; ubiquitin-conjugating enzyme E2W (putative); ubiquitin-conjugating enzyme E2 W; FLJ11011; ubiquitin-protein ligase W; ubiquitin carrier protein W; ubiquitin-conjugating enzyme 16; probable ubiquitin-conjugating enzyme E2 W; UBC16; UBC-16; hUBC-16;

Gene ID 55284

mRNA Refseq NM_001001481

Protein Refseq NP_001001481

MIM 614277

UniProt ID Q96B02

Chromosome Location 8q21.11

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Pathway

Adaptive Immune System, organism-specific biosystem; Antigen processing: 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; ubiquitin-protein ligase activity;

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