Recombinant Human UBE4B, GST-tagged

Cat. No. UBE4B-3553H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human UBE4B(1075 a.a. - 1173 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
Description	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 an additional conjugation factor, E4, which is involved in multiubiquitin chain assembly. This gene is also the strongest candidate in the neuroblastoma tumor suppressor genes. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
Molecular Mass	36.63 kDa
AA Sequence	FKLLAEKVEEIVAKNARAEIDYSDAPDEFRDPLMDTLMTDPVRLPSGTIMDRSIILRHL LNSPTDPFNRQTLTES MLEPVPELKEQIQAWMREKQNSDH
Applications	ELISA; WB-Re; AP; Array
Notes	Best use within three months from the date of receipt of this protein.

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Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	UBE4B ubiquitination factor E4B [Homo sapiens (human)]
Official Symbol	UBE4B
Synonyms	UBE4B; E4; UFD2; HDNB1; UBOX3; UFD2A; ubiquitination factor E4B; ubiquitin conjugation factor E4 B; homologous to yeast UFD2; UFD2A-III/UBE4B-III splice isoform; ubiquitin fusion degradation protein 2; ubiquitin-fusion degradation protein 2; homozygously deleted in neuroblastoma 1; homozygously deleted in neuroblastoma-1; ubiquitination factor E4B (UFD2 homolog, yeast); ubiquitination factor E4B (homologous to yeast UFD2)
Gene ID	10277
mRNA Refseq	NM_006048
Protein Refseq	NP_006039
MIM	613565
UniProt ID	O95155
Chromosome Location	1p36.3
Pathway	Protein processing in endoplasmic reticulum; Ubiquitin mediated proteolysis

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Function	enzyme binding; ubiquitin-ubiquitin ligase activity

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