

Recombinant Human HUWE1, GST-tagged

Cat. No. HUWE1-136H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HUWE1 (amino acid residues 3760-4374), with N-terminal GST, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	3760-4374 a.a.
Description	The enzymes of the ubiquitylation pathway play a pivotal role in a number of cellular processes including the regulated and targeted proteasome-dependent degradation of substrate proteins. Three classes of enzymes are involved in the process of ubiquitylation; activating enzymes (E1s), conjugating enzymes (E2s) and protein ligases (E3s). Hect, Uba, and Wwe Domains containing protein 1 (HUWE1) is a member of the Homologous to the E6AP Carboxyl Terminus (HECT) E3 protein ligase family and cloning of the human gene was first described by (Liu et al., 2005).
Form	50 mM HEPES pH 7.5, 150 mM sodium chloride, 2 mM dithiothreitol, 10% glycerol
Molecular Mass	~97kDa
Storage	12 months at -70°C. Avoid multiple freeze/thaw cycles.
Concentration	0.5mg/ml

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GENE INFORMATION

Gene Name	HUWE1 HECT, UBA and WWE domain containing 1, E3 ubiquitin protein ligase [Homo sapiens]
Official Symbol	HUWE1
Synonyms	HUWE1; HECT, UBA and WWE domain containing 1, E3 ubiquitin protein ligase; HECT, UBA and WWE domain containing 1; E3 ubiquitin-protein ligase HUWE1; Ib772; KIAA0312; UREB1; ARF-binding protein 1; URE-binding protein 1; BJ-HCC-24 tumor antigen; large structure of UREB1; HECT domain protein LASU1; Mcl-1 ubiquitin ligase E3; upstream regulatory element-binding protein 1; homologous to E6AP carboxyl terminus homologous protein 9; MULE; LASU1; HECTH9; URE-B1; ARF-BP1; HSPC272;
Gene ID	10075
mRNA Refseq	NM_031407
Protein Refseq	NP_113584
MIM	300697
UniProt ID	Q7Z6Z7
Chromosome Location	Xp11.22
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem;

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Immune System, organism-specific biosystem; Ubiquitin mediated proteolysis, organism-specific biosystem;

Function

DNA binding; acid-amino acid ligase activity; binding; ligase activity; protein binding; ubiquitin-protein ligase activity;

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