

Recombinant Human HUWE1, GST-tagged

Cat. No. HUWE1-14015H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HUWE1(4281 a.a. - 4374 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
Description	This gene encodes a protein containing a C-terminal HECT (E6AP type E3 ubiquitin protein ligase) domain that functions as an E3 ubiquitin ligase. The encoded protein is required for the ubiquitination and subsequent degradation of the anti-apoptotic protein Mcl1 (myeloid cell leukemia sequence 1 (BCL2-related)). This protein also ubiquitinates the p53 tumor suppressor, core histones, and DNA polymerase beta. Mutations in this gene are associated with Turner type X-linked syndromic mental retardation.
Molecular Mass	36.08 kDa
AA Sequence	FWRALRSFDQADRAKFLQFVTGTSKVPLQGFAALEGMNGIQKFQIHRDDRSTDRLP SAHTCFNQLDLPAYESFEK LRHMLLLAIQECSEGFGLA
Applications	ELISA; WB-Re; AP; Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

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Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; Ikb772; 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; Antigen processing: Ubiquitination & Proteasome

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degradation; Class I MHC mediated antigen processing & presentation

Function

DNA binding; poly(A) RNA binding; protein binding; ubiquitin-protein ligase activity

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