

## Recombinant Human HUWE1, GST-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human HUWE1(4281 a.a. - 4374 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 36.08 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | FWRALRSFDQADRAKFLQFVTGTSKVPLQGFAALEGMNGIQKFQIHRDDRSTDRLP<br>SAHTCFNQLDLPAYESFEK LRHMLLLAIQECSEGFGLA                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Applications</b>     | ELISA; WB-Re; AP; Array                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage</b>          | 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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