

## Recombinant Human UBE2T, His-tagged

**Cat. No.** UBE2T-2355H    **Lot. No.** (See product label)

### SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | Recombinant human UBE2T protein, fused to His-tag at C-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. 23.6 kDa (205aa).                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>                   | <i>E.coli</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>              | UBE2T, also known as PIG50 or HSPC150, is a member of the E2 ubiquitin-conjugating enzyme family. Involved in the protein degradation pathway. This protein catalyzes the ATP-dependent attachment of ubiquitin (Ub) to target proteins, thereby tagging them for subsequent destruction by the proteasome. Additionally, UBE2T is thought to be a crucial component of the Faconi anemia pathway of DNA damage repair and, upon self-inactivation, may negatively regulate the Faconi pathway. |
| <b>Form</b>                     | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 1mM DTT.                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>                   | > 95% by SDS – PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Concentration</b>            | 1 mg/ml (determined by Bradford assay).                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Sequences Of Amino Acids</b> | MQRASRLKRE LHMLATEPPP GITCWQDKDQ MDDLRAQILG GANTPYEKGV FK<br>LE VIIPER YPFEPPQIRF LTPIYHPNID SAGRICLDVL KLPPKGAWRP SLNIATVLTS<br>IQLLMSEPNP DDPLMADISS EFKYNKPAFL KNARQWTEKH ARQKQKADEE<br>EMLDNLPEAG DSRVHNSTQK RKASQLVGIE KKFHPDVLEH HHHHH.                                                                                                                                                                                                                                                   |

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**Storage**

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**GENE INFORMATION**
**Gene Name**

UBE2T ubiquitin-conjugating enzyme E2T (putative) [ Homo sapiens ]

**Synonyms**

ubiquitin-conjugating enzyme E2T (putative); PIG50; HSPC150; UBE2T; ubiquitin-conjugating enzyme E2 T; ubiquitin-protein ligase T; ubiquitin carrier protein T; ubiquitin conjugating enzyme; cell proliferation-inducing gene 50 protein; HSPC150 protein similar to ubiquitin-conjugating enzyme ; EC 6.3.2.19; Ubiquitin carrier protein T; Ubiquitin-protein ligase T

**Gene ID**

29089

**mRNA Refseq**

NM\_014176

**Protein Refseq**

NP\_054895

**MIM**

610538

**UniProt ID**

Q9NPD8

**Chromosome Location**

1q32.1

**Pathway**

DNA Repair

**Function**

ubiquitin-protein ligase activity; ATP binding; ligase activity; nucleotide binding

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