

Recombinant Human UBE2T, His-tagged

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

SPECIFICATION

Product Overview	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).
Species	Human
Source	<i>E.coli</i>
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 1mM DTT.
Purity	> 95% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MQRASRLKRE LHMLATEPPP GITCWQDKDQ MDDLRAQILG GANTPYEKG V FK LE VIIPER YPFEPPQIRF LTPIYHPNID SAGRICLDVL KLPPKGAWRP SLNIATVLT S IQLLMSEPNP DDPLMADISS EFKYNKPAFL KNARQWTEKH ARQKQKADEE 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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