

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 GANTPYEKGV FK LE VIIPER YPFEPQIRF LTPIYHPNID SAGRICLDVL KLPPKGAWRP SLNIATVLTS 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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