Recombinant human UBE2T protein
Catalog Number: ATGP0529

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-197aa

UniProt No.
Q9NPD8

NCBI Accession No.
NP_054895

Alternative Names
Biquitin-conjugating enzyme E2 T, Cell proliferation-inducing gene 50 protein, E2 ubiquitin-conjugating enzyme T, Ubiquitin carrier protein T, Ubiquitin-protein ligase T, HSPC150, PIG50, FANCT

PRODUCT SPECIFICATION

Molecular Weight
23.6 kDa (205aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 1mM DTT

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant uBE2T protein, fused to His-tag at C-

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terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
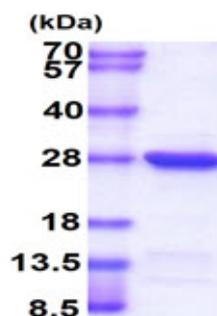
Amino acid Sequence

MQRASRLKRE LHMLATEPPP GITCWQDKDQ MDDLRAQILG GANTPYEKGV FKLEVIIPER YPFEPPQIRF LTPIYHPNID
SAGRICLDVL KLPPKGAWRP SLNIATVLTS IQLLMSEPNP DDPLMADISS EFKYNKPAFL KNARQWTEKH ARQKQKADEE
EMLDNLPEAG DSRVHNSTQK RKASQLVGIE KKFHPDVLEH HHHHH

General References

Hao J., et al. (2008) Tumour Biol. 29(3):195-203.
Machida YJ., et al. (2006) Mol Cell. 23(4):589-96.

DATA

SDS-PAGE

15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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