

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-

Recombinant human UBE2T protein

Catalog Number: ATGP0529

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

Amino acid Sequence

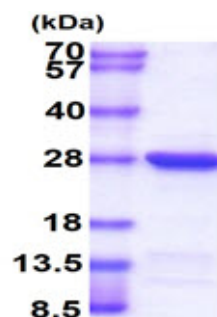
MQRASRLKRE LHMLATEPPP GITCWQDKDQ MDDLRAQILG GANTPYEKGV FKLEVIIPER YPFEPQIRF LTPIYHPNID
SAGRICLDVL KLPPKGAWRP SLNIATVLTS IQLLMSEPNP DDPLMADISS EFKYNKPAFL KNARQWTEKH ARQKQKADEE
EMLDNLPEAG DSRVHNSTQK RKASQLVGIE KKFHPDVLEH HHHHH

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.