

# Recombinant Human UBE2T Protein (Met1-Val197), His-tagged

Cat. No. UBE2T-561H Lot. No. (See product label)

## SPECIFICATION

|                             |   |
|-----------------------------|---|
| <b>Product Overview</b>     | Recombinant Human UBE2T Protein (Q9NPD8) (Met1-Val197) was produced by E. coli expression system. This protein was fused with a polyhistidine tag at the C-terminus.  |
| <b>Species</b>              | Human   |
| <b>Source</b>               | E.coli  |
| <b>ProteinLength</b>        | Met1-Val197   |
| <b>Description</b>          | Ube2T is the E2 ubiquitin-conjugating enzyme of the Fanconi anemia DNA repair pathway and it is overexpressed in several cancers, representing an attractive target for the development of inhibitors. Notably, UBE2T locates at 1q32.1, and the gain of 1q is frequently observed in a variety of cancers. For instance, UBE2T serves an important role in the growth of bladder cancer cells, and may be considered as a potential biomarker and therapeutic target for bladder cancer. |
| <b>Predicted N Terminal</b> | Met   |
| <b>Form</b>                 | Lyophilized from sterile PBS, 30 % glycerol, 0.1 % Tween 20, 0.4 mM Chaps, pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.   |
| <b>Molecular Mass</b>       | The recombinant human UBE2T consists of 207 amino acids and has a calculated molecular mass of 23.9 kDa.  |

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|                       |  |
|-----------------------|--|
| <b>Purity</b>         | > 90 % as determined by SDS-PAGE.  |
| <b>Stability</b>      | Samples are stable for up to twelve months from date of receipt at -70 centigrade.   |
| <b>Storage</b>        | Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.   |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.  |
| <b>Shipping</b>       | In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature.<br>Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise. |

## GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | UBE2T ubiquitin-conjugating enzyme E2T (putative) [ Homo sapiens ]              |
| <b>Official Symbol</b> | UBE2T   |
| <b>Synonyms</b>        | UBE2T; HSPC150; ubiquitin-protein ligase T; ubiquitin carrier protein T; PIG50; |
| <b>Gene ID</b>         | 29089   |
| <b>mRNA Refseq</b>     | NM_014176   |
| <b>Protein Refseq</b>  | NP_054895   |
| <b>MIM</b>             | 610538  |

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UniProt ID

Q9NPD8

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