

## Recombinant Human BTD, His tagged

**Cat. No.** BTD-355H    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                  |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Human BTD (P43251) (Met1-Asp543), fused with a C-terminal polyhistidine tag, was produced in Human Cells.                                                                                            |
| <b>Species</b>              | Human                                                                                                                                                                                                            |
| <b>Source</b>               | Human Cells                                                                                                                                                                                                      |
| <b>ProteinLength</b>        | 1-543 a.a.                                                                                                                                                                                                       |
| <b>Predicted N Terminal</b> | Ala 42                                                                                                                                                                                                           |
| <b>Form</b>                 | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.                                                                                  |
| <b>Molecular Mass</b>       | The recombinant human BTD comprises 513 amino acids and has a predicted molecular mass of 58.2 kDa. The apparent molecular mass of the protein is approximately 66-76 kDa in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>            | < 1.0 eu per µg of the protein as determined by the LAL method.                                                                                                                                                  |
| <b>Purity</b>               | >95 % as determined by SDS-PAGE                                                                                                                                                                                  |
| <b>Stability</b>            | Samples are stable for up to twelve months from date of receipt at -70oC.                                                                                                                                        |
| <b>Storage</b>              | Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein                                                                                                                             |

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

#### Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** [BTD biotinidase \[ Homo sapiens \]](#)

**Official Symbol** BTD

**Gene ID** [686](#)

**mRNA Refseq** [NM\\_000060](#)

**Protein Refseq** [NP\\_000051](#)

**MIM** [609019](#)

**UniProt ID** [P43251](#)

**Chromosome Location** 3p25

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