

Active Recombinant Human BTD protein, His-tagged

Cat. No. BTD-0258H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human BTD protein(P43251)(Met1-Asp543), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Asp543
Form	Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to hydrolyze biocytin to lysine and biotin. The specific activity is >500pmol/min/μg.
Molecular Mass	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.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein 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 of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

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

Official Symbol [BTD](#)

Synonyms BTD; biotinidase; biotinase;

Gene ID [686](#)

mRNA Refseq [NM_000060](#)

Protein Refseq [NP_000051](#)

MIM [609019](#)

UniProt ID [P43251](#)

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