# Human Biotinidase / biotinase / BTD (His Tag) recombinant protein

Catalog Number: 501296



## General Information

## **Protein Construction**

A DNA sequence encoding the human BTD (P43251) (Met1-Asp543) with a C-terminal polyhistidine tag was expressed.

## **Organism**

Human

## **Expression Host**

**Human Cells** 

# **QC Testing**

## **Activity**

Measured by its ability to hydrolyze biocytin to lysine and biotin. The specific activity is >500pmol/min/µg.

## **Purity**

> 95 % as determined by SDS-PAGE

#### **Endotoxin**

 $< 1.0 \; \text{EU}$  per  $\mu g$  of the protein as determined by the LAL method

## **Stability**

Samples are stable for up to twelve months from date of receipt at -70°C

#### Predicted N terminal

Ala 42

#### **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.

## **Formulation**

Lyophilized from sterile PBS, pH 7.4.

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

## **Usage Guide**

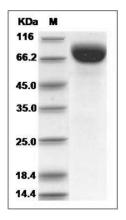
## Storage

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

#### **SDS-PAGE**



Human Biotinidase / Biotinase / BTD Protein (His Tag) SDS-PAGE