

## Product datasheet

### Recombinant Human BTD protein (His tag) ab219238

1 Image

#### Description

<b>Product name</b>	Recombinant Human BTD protein (His tag)	
<b>Purity</b>	> 85 % SDS-PAGE. Affinity purified	
<b>Endotoxin level</b>	< 1.000 Eu/μg	
<b>Expression system</b>	Baculovirus infected insect cells	
<b>Accession</b>	<b><u>P43251-3</u></b>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	<p>AHTGEESVADHHEAEYVAAYVEHPSILSLNPLALISRQEA            LELMNQNLNLD            IYEQQVMTAAQKDVQIIVFPEDGIHGFNFTRTSYPFLDFMP            SPQVVRWN            PCLEPHRFNDTEVLQRLSCMAIRGDMFLVANLGTKEPCH            SSDPRCPKDGR            YQFNTNVVFSNNGTLVDRYRKHNLIFEAAFDVPLKVDLITF            DTPFAGRFG            IFTCFDILFFDPAIRVLRDYKVKHVYPTAWMNQLPLLAAIEI            QKAFAVA            FGINVLAANVHHPVLGMTGSGIHTPLESFWYHDMENPKSH            LIAQVAKNP            VGLIGAENATGETDPSHSKFLKILSGDPYCEKDAQEVHCD            EATKWNVNAP            PTFHSEMMYDNFTLVPVWGKEGYLHVCSNGLCCYLLYER            PTLSKELYALG            VFDGLHTVHGTYIQVCALVRCGGLGFDTCGQEITEATGIF            EFHLWGNFS            TSYIFPLFLTSGMTLEVPDQLGWENDHYFLRKSRLSSGLV            TAALYGRLYE RDLEHHHHHHH</p>	
<b>Predicted molecular weight</b>	58 kDa including tags	
<b>Amino acids</b>	44 to 545	
<b>Tags</b>	His tag C-Terminus	

**Additional sequence information** This product is the mature full length protein from aa 44 to 545. The signal peptide is not included (NP\_001268652).

## Specifications

Our **Abpromise guarantee** covers the use of **ab219238** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** SDS-PAGE

**Form** Liquid

## Preparation and Storage

**Stability and Storage** Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.40

Constituents: 10% Glycerol (glycerin, glycerine), 90% PBS

## General Info

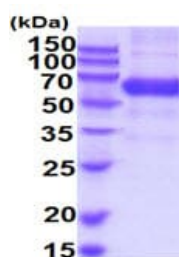
**Function** Catalytic release of biotin from biocytin, the product of biotin-dependent carboxylases degradation.

**Involvement in disease** Defects in BTDD are the cause of biotinidase deficiency (BTDD deficiency) [MIM:253260]; also called late-onset multiple carboxylase deficiency. BTDD deficiency is a juvenile form of multiple carboxylase deficiency, an autosomal recessive disorder of biotin metabolism, characterized by ketoacidosis, hyperammonemia, excretion of abnormal organic acid metabolites, and dermatitis. BTDD deficiency is characterized by seizures, hypotonia, skin rash, alopecia, ataxia, hearing loss, and optic atrophy. If untreated, symptoms usually become progressively worse, and coma and death may occur.

**Sequence similarities** Belongs to the CN hydrolase family. BTDD/VNN subfamily. Contains 1 CN hydrolase domain.

**Cellular localization** Secreted > extracellular space.

## Images



15% SDS-PAGE analysis of 3 µg ab219238.

Molecular weight: 50-70 kDa (SDS-PAGE under reducing conditions).

SDS-PAGE - Recombinant Human BTDD protein (His tag) (ab219238)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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