abcam

Product datasheet

Recombinant Human BTD protein (His tag) ab219238

1 Image

Description

Product name	Recombinant Human BTD protein (His tag)
Purity	> 85 % SDS-PAGE. ab219238 was purified using conventional chromatography techniques.
Endotoxin level	< 1.000 Eu/µg
Expression system	Baculovirus infected insect cells
Accession	P43251-3
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	AHTGEESVADHHEAEYYVAAVYEHPSILSLNPLALISRQEA LELMNQNLD IYEQQVMTAAQKDVQIIVFPEDGIHGFNFTRTSIYPFLDFMP SPQVVRWN PCLEPHRFNDTEVLQRLSCMAIRGDMFLVANLGTKEPCH SSDPRCPKDGR YQFNTNVVFSNNGTLVDRYRKHNLYFEAAFDVPLKVDLITF DTPFAGRFG IFTCFDILFFDPAIRVLRDYKVKHVVYPTAWMNQLPLLAAIEI QKAFAVA FGINVLAANVHHPVLGMTGSGIHTPLESFWYHDMENPKSH LIIAQVAKNP VGLIGAENATGETDPSHSKFLKILSGDPYCEKDAQEVHCD EATKWNVNAP PTFHSEMMYDNFTLVPVWGKEGYLHVCSNGLCCYLLYER PTLSKELYALG VFDGLHTVHGTYYIQVCALVRCGGLGFDTCGQEITEATGIF EFHLWGNFS TSYIFPLFLTSGMTLEVPDQLGWENDHYFLRKSRLSSGLV TAALYGRLYE RDLEHHHHHH
Predicted molecular weight	58 kDa including tags
Amino acids	44 to 545
Tags	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

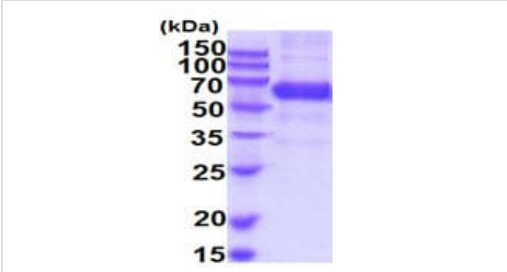
Preparation and Storage

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 BTD are the cause of biotinidase deficiency (BTD deficiency) [MIM:253260]; also called late-onset multiple carboxylase deficiency. BTD 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. BTD 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. BTD/VNN subfamily. Contains 1 CN hydrolase domain.
Cellular localization	Secreted > extracellular space.

Images



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

15% SDS-PAGE analysis of 3 µg ab219238.

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

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

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