
Product Data Sheet

Product Name: BTD Human
 Cat. No.: GP21442
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Biotinidase; EC 3.5.1.12; Biotinase; EC 3.5.1.		
Amino Acid Sequence	<p>AHTGEESVAD HHEAEYYVAA VYEHPSILSL NPLALISRQE ALELMNQNLDIYEQQVMTAA QKDVQIIVFP EDGIHGFNFT RTSIYPFLDF MPSPQVVRWN PCLEPHRFND TEVLQRLSCMAIRGDMFLVA NLGTKEPCHS SDPRCPKDGR YQFNTNVVFS NNGTLVDTRYR KHNLYFEAAFVPLKVDLIT FDTPFAGRFG IFTCFDILFF DPAIRVLRDY KVKHVYPTAWMNQLPLLAA IEIQKAFAVA FGINVLAANV HHPVLGMTGS GIHTPLESFW YHDMENPKSH LIIAQVAKNPVGLIGAENAT GETDPSHSKF LKILSGDPYC EKDAQEVHCD EATKWNVNAP PTFHSEMMYDNFTLVVWGK EGYLHVCSNGLCCYLLYERP TLSKELYALG VFDGLHTVHG TYYIQVCALV RCGGLGFDTG GQEITEATGI FEFHLWGNFS TSYIFPLFLTSGMTLEVPDQ LGWENDHYFL RKSRLSSGLV TAALYGRLYE RDLEHHHHHHH.</p>		
Formulation	BTB protein solution (0.25mg/ml) containing PhosphateBuffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Biotinidase also known BTB, belongs to the nitrilasesuperfamily, which contains 12 families of nitrilases, amidases, carbamylases, and N-acyltrasferases. BTB catalyzes the hydrolysis of biocytin, the product of biotin-dependent carboxylase degradation, to biotin and lysine. BTB has a vital regulatory part in chromatin/DNA function. Mutations in BTB protein lead to Biotinidase deficiency.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

BTD Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 510 amino acids (44-545a.a) and having a molecular mass of 57.8kDa. (Molecular size on SDS-PAGE will appear at approximately 50-70kDa). BTD is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA