w abeomics

32-6681: BTD Human

Alternative Name : Biotinidase, EC 3.5.1.12, Biotinase, EC 3.5.1.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

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

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.

Product Info

Amount :	1 μg / 5 μg
Purification :	Greater than 85% as determined by SDS-PAGE.
Content :	BTD protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	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% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	AHTGEESVAD HHEAEYYVAA VYEHPSILSL NPLALISRQE ALELMNQNLD IYEQQVMTAA QKDVQIIVFP EDGIHGFNFT RTSIYPFLDF MPSPQVVRWN PCLEPHRFND TEVLQRLSCM AIRGDMFLVA NLGTKEPCHS SDPRCPKDGR YQFNTNVVFS NNGTLVDRYR KHNLYFEAAF DVPLKVDLIT FDTPFAGRFG IFTCFDILFF DPAIRVLRDY KVKHVVYPTA WMNQLPLLAA IEIQKAFAVA FGINVLAANV HHPVLGMTGS GIHTPLESFW YHDMENPKSH LIIAQVAKNP VGLIGAENAT GETDPSHSKF LKILSGDPYC EKDAQEVHCD EATKWNVNAP PTFHSEMMYD NFTLVPVWGK EGYLHVCSNG LCCYLLYERP TLSKELYALG VFDGLHTVHG TYYIQVCALV RCGGLGFDTC GQEITEATGI FEFHLWGNFS TSYIFPLFLT SGMTLEVPDQ LGWENDHYFL RKSRLSSGLV TAALYGRLYE RDLEHHHHHH.