

32-6681: BTB 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 BTB, belongs to the nitrilase superfamily, which contains 12 families of nitrilases, amidases, carbamylases, and N-acyltransferases. 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.

BTB 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). BTB 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 : BTB 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 ALELMNQNLDIYEQQVMATA QKDVQIIVFP
EDGIHGFNFT RTSIYPFLDF MPSPQVVRWN PCLEPHRFND TEVLQRLSCM AIRGDMFLVA NLGTKEPCHS
SDPRCPKDG R YQFNTNVVFS NNGTLVDRYR KHNLYFEAAF DVPLKVDLIT FDTPFAGRFG IFTCFDILFF
DPAIRVLRDY KVKHVYPTA WMNQLPLLA IEIQKAFVA FGINVLAANV HHPVLGMTGS GIHTPLESFW
YHDMENPKSH LIAQVAKNP VGLIGAENAT GETDPSHSKF LKILSGDPYC EKDAQEVHCD EATKWNVNAP
PTFHSEMYD NFTLVPVWGK EGYLHVCSNG LCCYLLYERP TSKELYALG VFDGLHTVHG TYYIQVCALV
RCGGLGFDTC GQEITEATGI FEFHLWGNFS TSYIFPLFLT SGMTEVPDQ LGWENDHYFL RKSRLSSGLV
TAALYGRLYE RDLEHHHHHH.