

Recombinant Full Length Human BTD Protein, GST-tagged

Cat. No. BTD-1666HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BTD full-length ORF (AAH12099, 1 a.a. - 543 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	543 amino acids
Description	Biotinidase functions to recycle biotin in the body by cleaving biocytin (biotin-epsilon-lysine), a normal product of carboxylase degradation, resulting in regeneration of free biotin. Biotinidase has also been shown to have biotinyl-transferase activity. Defects in the biotinidase gene cause multiple carboxylase deficiency.
Molecular Mass	85.47 kDa
AA Sequence	MAHAHIQGGR RAKSRFVVC IMSGARSKLAL FLCGCVVVAL GAHTGEESVA DHHEAEYYVA AVYEHPSILS LNPLALISRQ EALELMNQNL DIYEQQVMTA AQKDVQIIVF PEDGIHGFNF TRTSIYPFLD FMPSPQVVRW NPCLEPHRFN DTEVLQRLSC MAIRGDMFLV ANLGTKEPCH SSDPRCPKDG RYQFNTNVVF SNNGLTVDRY RKHNLFEAA FDVPLKVDLI TFDTPFAGRF GIFTCFDILF FDPAIRVLRD YKVKHVVYPT AWMNQLPLLA AIEIQKAFV AFGINVLAAN VHHPVLGMTG SGIHTPLESF WYHDMENPKS HLIIAQVAKN PVGLIGAENA TGETDPSHSK FLKILSGDPY CEKDAQEVHC DEATKWNVNA PPTFHSEMMY DNFTLVPVWG KEGYLHVCSN GLCCYLLYER PTLSEKELYAL GVFDGLHTVH

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GTYYIQVCAL VRCGGLGFD T CGQEITEATG IFEFHLWGNF STSYIFPLFL
TSGMTLEVDPD QLGWENDHYF LRKSRLSSGL VTAALYGRLY ERD

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [BTD biotinidase \[Homo sapiens \]](#)

Official Symbol [BTD](#)

Synonyms BTD; biotinidase; biotinase

Gene ID [686](#)

mRNA Refseq [NM_000060](#)

Protein Refseq [NP_000051](#)

MIM [609019](#)

UniProt ID [P43251](#)

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