



# Recombinant Human Biotinidase (BTD)

<b>Product Code</b>	CSB-EP002854HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P43251
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	AHTGEESVA DHHEAEYYVA AVYEHPSILS LNPLALISRQ EALELMNQNL DIYEQQVMTA AQKDVQIIVF PEDGIHGFNF TRTSIYPFLD FMPSPQVVRW NPCLEPHRFN DTEVLQRLSC MAIRGDMFLV ANLGTKEPCH SSDPRCPKDG RYQFNTNVVF SNNGLVDRY RKHNLYFEAA FDVPLKVDLI TFDTPFAGRF GIFTCFDILF FDPAIRVLRD YKVKHVYPT AWMNQLPLLA AIEIQKAFV AFGINVLAAN VHHPVLGMTG SGIHTPLESF WYHDMENPKS HLIIAQVAKN PVGLIGAENA TGETDPSHSK FLKILSGDPY CEKDAQEVHC DEATKWNVNA PPTFHSEMMY DNFTLVPVWG KEGYLHVCSN GLCCYLLYER PTLSEKELYAL GVFDGLHTVH GTYYIQVCAL VRCGGLGFDG CGQEITEATG IFEFHLWGNF STSYIFPLFL TSGMTLEVPD QLGWENDHYF LRKSRLSSGL VTAALYGRLY ERD
<b>Source</b>	E.coli
<b>Target Names</b>	BTD
<b>Protein Names</b>	Recommended name: Biotinidase Short name= Biotinase EC= 3.5.1.12
<b>Expression Region</b>	42-543
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life



of lyophilized form is 12 months at -20°C/-80°C.