Recombinant Human BTD, MYC/DDK-tagged

Cat. No. BTD-8393H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BTD fused with C-terminal MYC/DDK, was expressed in HEK293 Cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene functions to recycle protein-bound biotin by cleaving biocytin (biotin-epsilon-lysine), a normal product of carboxylase degradation, resulting in regeneration of free biotin. The encoded protein has also been shown to have biotinyl transferase activity. Mutations in this gene are associated with biotinidase deficiency. Multiple transcript variants encoding different isoforms have been described.
Molecular Mass	56.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	BTD biotinidase [Homo sapiens (human)]

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Official Symbol	BTD
Synonyms	BTD; biotinidase; biotinase; NP_000051.1; NP_001268652.1; NP_001268653.1; NP_001268654.1; NP_001268655.1; EC 3.5.1.12
Gene ID	686
mRNA Refseq	NM_000060
Protein Refseq	NP_000051
MIM	609019
UniProt ID	P43251
Chromosome Location	3p25
Pathway	Defects in vitamin and cofactor metabolism; Metabolism of vitamins and cofactors; Metabolism of water-soluble vitamins and cofactors
Function	biotin carboxylase activity; biotinidase activity

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