

## Product datasheet for **TP304153M**

### **BTD (NM\_000060) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human biotinidase (BTD), 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC204153 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAHAHIQGGRRAKSRFVVCIMSGARSKLALFLCGCYVVALGAHTGEESVADHHEAEYVVAAVYEHPSILS  
LNPLALISRQEALELMNQNLDIYEQQVMTAAQKDVQIIVFPEDGIHGFnFRTRTSIYPFLDFMPSPQVVRW  
NPCLEPHRFNDTEVLQRLSCMAIRGDMFLVANLGTKEPCHSSDPRCPKDGRYQFNTNWFVSNNGTLVDYR  
RKHNLYFEAAFDVPLKVDLITFDTPFAGRFGIFTCFDILFFDPAIRVLRDYKVKHVVYPTAWMNQLPLLA  
AIEIQKAFAVAFGINVLAANVHHPVLTGMTGSGIHTPLESFWYHDMENPKSHLIIAQVAKNPVGLIGAENA  
TGETDPHSKFLKILSGDPYCEKDAQEVHCDEATKWNVNAPPTFHSEMMYDNFTLVPVWGKEGYLHVCSN  
GLCCYLLYERPTLSKELYALGVFDGLHTVHGTYIIQVCALVRCGGLGFDTCGQEITEATGIFEFHLWGNF  
STSIFPLFLTSGMTLEVPDQLGWENDHYFLRKSRLSSGLVTAALYGRLYERD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	56.7 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



[View online >](#)

RefSeq: [NP\\_000051](#)

Locus ID: 686

UniProt ID: [P43251](#)

RefSeq Size: 2084

Cytogenetics: 3p25.1

RefSeq ORF: 1629

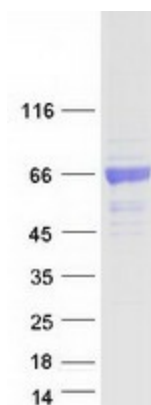
Synonyms: biotinidase

**Summary:** 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. [provided by RefSeq, Aug 2013]

**Protein Families:** Druggable Genome, Secreted Protein

**Protein Pathways:** Biotin metabolism, Metabolic pathways

### Product images:



Coomassie blue staining of purified BTD protein (Cat# [TP304153]). The protein was produced from HEK293T cells transfected with BTD cDNA clone (Cat# [RC204153]) using MegaTran 2.0 (Cat# [TT210002]).