

Product datasheet for PH304153

BTD (NM_000060) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	BTD MS Standard C13 and N15-labeled recombinant protein (NP_000051)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204153
Predicted MW:	61.1 kDa
Protein Sequence:	>RC204153 protein sequence Red=Cloning site Green=Tags(s)
	<p>MAHAHIQGGRRAKSRFVVCIMSGARSKLALFLCGCYVVALGAHTGEESVADHHEAEYVVAAYVEHPSILS LNPLALISRQEALELMNQNLDIYEQQVMTAAQKDVQIIIVFPEDGIHGFFNFRTRTSIYPFLDFMPSPQVVRW NPCLEPHRFNDTEVLQRLSCMAIRGDMFLVANLGTKEPCHSSDPRCPKDGRYQFNTNVVFSNNGTLVDYR RKHNLYFEAAFDVPLKVDLITFDTPFAGRFGIFTCFDILFFDPAIRVLRDYKVKHVVYPTAWMNQLPLLA AIEIQKAFAVAFGINVLAANVHHPVLMGTGSGIHTPLESFWYHDMENPKSHLIIAQVAKNPVGLIGAENA TGETDPSHSKFLKILSGDPYCEKDAQEVHCDEATKWNVNAPPTFHSEMMYDNFTLVVPWGKEGYLHVCSN GLCCYLLYERPTLSKELYALGVFDGLHTVHGTYIYQVCALVRCGGLGFDTCGQEITEATGIFEFHLWGNF STSYIFPLFLTSGMTLEVPDQLGWENDHYFLRKSRLSSGLVTAALYGRLYERD</p> <p>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_000051</u>
RefSeq Size:	2084
RefSeq ORF:	1629



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Synonyms: biotinidase

Locus ID: 686

UniProt ID: [P43251](#)

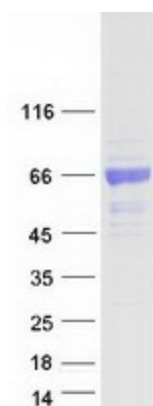
Cytogenetics: 3p25.1

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]).