

Recombinant Human BTD Protein, GST-tagged

Cat. No. BTD-379H 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	Wheat Germ
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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	85.47 kDa
AA Sequence	<p>MAHAHIQGGRRAKSRFVVCIMSGARSKLALFLCGCYVVALGAHTGEESVADHHEAE YYVAAVYEHPSILSLNPLALISRQEALLMNQNLDIYEQQVMTAAQKDVQIIVFPEDGI HGFNFTRTSIYPFLDFMPSPQVVRWNPCLPHRFNDTEVLQRLSCMAIRGDMFLVA NLGTKEPCHSSDPRCPKDGRYQFNTNVVFSNNGTLVDRYRKHNLYFEAAFDVPLKV DLITFDTPFAGRFGIFTCFDILFFDPAIRVLRDYKVKHVYPTAWMNQLPLLAAIEIQKA FAVAFGINVLAANVHHPVLGMTGSGIHTPLESFWYHDMENPKSHLIIAQVAKNPVGLI GAENATGETDPSHSKFLKILSGDPYCEKDAQEVHCDEATKWNVNAPPTFHSEMMY DNFTLVPVWGKEGYLHVCSNGLCCYLLYERPTLSKELYALGVFDGLHTVHGTYIIQV CALVRCGGLGFDTGCGQEITEATGIFEFHLWGNFSTSYIFPLFLTSGMTLEVPDQLGW</p>

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ENDHYFLRKSRLSSGLVTAALYGRLYERD

Quality Control Test 12.5% SDS-PAGE Stained with Coomassie Blue.**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](#) Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA