

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	MAHAHIQGGRRAKSRFVVCIMSGARSKLALFLCGCYVVALGAHTGEESVADHHEAE YYVAAVYEHPSILSLNPLALISRQEALMNQNLDIYEQQVMTAAQKDVQIIVFPEDGI HGFNFTRTSIYPFLDFMPSPQVVRWNPCLPHRFNDTEVLQRLSCMAIRGDMFLVA NLGTKEPCHSSDPRCPKDGARYQFNTNVVFSNNGTLVDRYRKHNLYFEAAFDVPLKV DLITFDTPFAGRFGIFTCFDILFFDPAIRVLRDYKVKHVVYPTAWMNQLPLLAIEIQKA FAVAFGINVLAANVHHPVLGMTGSGIHTPLESFWYHDMENPKSHLIIAQVAKNPVGLI GAENATGETDPSHSHKFLKILSGDPYCEKDAQEVHCDEATKWNVNAPPTFHSEMMY DNFTLVPVWGKEGYLHVCSNGLCCYLLYERPTLSKELYALGVFDGLHTVHGTYIIQV CALVRCGGLGFDTGCGQEITEATGIFEHLWGNFSTSYIFPLFLTSGMTLEVDPDQLGW

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ENDHYFLRKSRLLSSGLVTAALYGRLYERD

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

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