

Product datasheet for TP303156

BBOX1 (NM_003986) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human butyrobetaine (gamma), 2-oxoglutarate dioxygenase (gamma-butyrobetaine hydroxylase) 1 (BBOX1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203156 protein sequence Red=Cloning site Green=Tags(s)

MACTIQKAEALDGAHLMQILWYDEEESLYPAVWLRDNCPCSDCYLDSAKARKLLVEALDVNIGIKGLIFD
RKKVYITWPDEHYSEFQADWLKKRCFSKQARAKLQRELFPEQCQYWGSELQLPTLDFEDVLRIDEHAYKW
LSTLKKVGIVRLTGASDKPGEVSKLGKRMGFLYLTfyGHTWQVQDKIDANNVAYTTGKLSFHTDYPALHH
PPGVQLLHCIKQTVTGGDSEIVDGFNVCQKLLKNNPQAFQILSSTFVDFTDIGVDYCDFSVQSKHKIIEI
DDKGQVVRINFNNATRDITFDVPVERVQPFYAALKEFVDLMNSKESKFTFKMNPBGDVFITFDNWRLHGR
SYEAGTEISRHLEGAYADWDVMSRLRILRQVVENGN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	44.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_003977</u>



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Locus ID: 8424

UniProt ID: [O75936](#)

RefSeq Size: 1901

Cytogenetics: 11p14.2

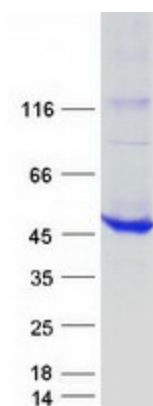
RefSeq ORF: 1161

Synonyms: BBH; BBOX; G-BBH; gamma-BBH

Summary: This gene encodes gamma butyrobetaine hydroxylase which catalyzes the formation of L-carnitine from gamma-butyrobetaine, the last step in the L-carnitine biosynthetic pathway. Carnitine is essential for the transport of activated fatty acids across the mitochondrial membrane during mitochondrial beta-oxidation. [provided by RefSeq, Jul 2008]

Protein Pathways: Lysine degradation

Product images:



Coomassie blue staining of purified BBOX1 protein (Cat# TP303156). The protein was produced from HEK293T cells transfected with BBOX1 cDNA clone (Cat# [RC203156]) using MegaTran 2.0 (Cat# [TT210002]).