

Recombinant Full Length Human BBOX1 Protein, GST-tagged

Cat. No. BBOX1-1581HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human BBOX1 full-length ORF (AAH11034, 1 a.a. - 387 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	387 amino acids
Description	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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	68.31 kDa
AA Sequence	<p>MACTIQKAEA LDGAHLMQIL WYDEEESLYP AVWLRDNCPC SDCYLDSAKA RKLLVEALDV NIGIKGLIFD RKKVYITWPD EHYSEFQADW LKKRCFSKQA RAKLQRELFF PECQYWGSEL QLPTLDFEDV LRYDEHAYKW LSTLKKVGIV RLTGASDKPG EVSKLGKRMG FLYLTFYGHY WQVQDKIDAN NVAYTTGKLS FHTDYPALHH PPGVQLLHCI KQTVTGGDSE IVDGFNVCQK LKKNNPQAFQ ILSSTFVDFT DIGVDYCDFV VQSKHKIIEI DDKGQVVRIN FNNATRDITF DVPVERVQPF YAALKEFVDL MNSKESKFTF KMNPGDVITF DNWRLLHGRR</p>

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SYEAGTEISR HLEGAYADWD VVMSRLRILR QRVENG

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 BBOX1 butyrobetaine (gamma), 2-oxoglutarate dioxygenase (gamma-butyrobetaine hydroxylase) 1 [Homo sapiens]

Official Symbol BBOX1

Synonyms BBOX1; butyrobetaine (gamma), 2-oxoglutarate dioxygenase (gamma-butyrobetaine hydroxylase) 1; BBOX; gamma-butyrobetaine dioxygenase; BBH; G BBH; gamma BBH; gamma-butyrobetaine hydroxylase; gamma-butyrobetaine,2-oxoglutarate dioxygenase 1; G-BBH; gamma-BBH

Gene ID 8424

mRNA Refseq NM_003986

Protein Refseq NP_003977

MIM 603312

UniProt ID O75936

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