

Recombinant Human BBOX1 Protein, GST-tagged

Cat. No. BBOX1-101H **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	Wheat Germ
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	MACTIQKAEALDGAHLMQILWYDEEESLYPAVWLRDNCPCSDCYLDSAKARKLLVE ALDVNIGIKGLIFDRKKVYITWPDEHYSEFQADWLKKRCFSKQARAKLQRELFPEEC QYWGSELQLPTLDFEDVLRIDEHAYKWLSTLKKVGIVRLTGASDKPGEVSKLGKRM GFLYLTFYGHTWQVQDKIDANNVAYTTGKLSFHTDYPALHHPPGVQLLHCHIKQTVTG GDSEIVDGFNVQCQLKKNNPQAFQILSSTFVDFTDIGVDYCDFSVQSKHKIIELDKKG QVVRINFNNATRDITFDVPVERVQPFYAALKEFVDMNSKESKFTFKMNPGDVITFD NWRLHGRRSYEAGTEISRHLGAYADWDVMSRLRILRQRVENG
Notes	Best use within three months from the date of receipt of this protein.

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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

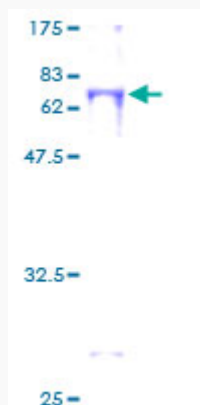
MIM 603312

UniProt ID O75936

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