

Gamma-butyrobetaine dioxygenase (BBOX1) Recombinant Protein | BBOX1 recombinant protein

Recombinant Human Gamma-butyrobetaine dioxygenase (BBOX1)

CATALOG #
AAA115112

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

PRODUCT SYNONYMS

Gamma-butyrobetaine dioxygenase (BBOX1); Recombinant Human Gamma-butyrobetaine dioxygenase (BBOX1); BBOX1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-387aa; Full-Length
Sequence	MACTIQKAEA LDGAHLMQIL WYDEEESLYP AVWL RDNCPC SDCYLDSAKA RKLLEALDV NIGIKGLIFD RKKVYITWPD EHYSEFQADW LKKRCFSKQA RAKLQRELFF PECQYWGSEL QLPTLDFEDV LRYDEHAYKW LSTLKKVGIV RLTGASDKPG EVSKLGKRMG FLYLTFYGHT WQVQDKIDAN NVAYTTGKLS FHTDYPALHH PPGVQLLHCI KQTVTGGDSE IVDGFNVCQK LKKNPQAFQ ILSSTFVDFT DIGVDYCDFS VQSKHKIIEI DDKGQVVRIN FNNATRDITF DVPVERVQPF YAALKEFVDL MNSKESKFTF KMNPGDVITF DNWRLLHGRR SYEAGTEISR HLEGAYADWD VVMSRLRILR QRVENG
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for BBOX1 recombinant protein	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502369
NCBI GeneID	8424
NCBI Accession #	NP_003977.1
NCBI GenBank Nucleotide #	NM_003986.2
UniProt Accession #	O75936; Q6IBJ2; B2R8L7; D3DQZ1
Molecular Weight	44,715 Da
NCBI Official Full Name	gamma-butyrobetaine dioxygenase
NCBI Official Synonym Full Names	gamma-butyrobetaine hydroxylase 1
NCBI Official Symbol	BBOX1

NCBI Official Synonym Symbols	BBH; BBOX; G-BBH; gamma-BBH
NCBI Protein Information	gamma-butyrobetaine dioxygenase
UniProt Protein Name	Gamma-butyrobetaine dioxygenase
UniProt Gene Name	BBOX1
UniProt Synonym Gene Names	BBH; BBOX; Gamma-BBH

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/bbox1-recombinant-protein-e-coli/115112>