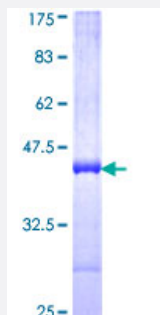


BBOX1 (Human) Recombinant Protein (Q01)

Catalog # H00008424-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human BBOX1 partial ORF (NP_003977, 278 a.a. - 387 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	IELDDKGQVVRINFNNATRDITFDVPVERVQPFYAALKEFV DLMNSKESKFTFKMNP GDVITFDNW RLLHGRRSYEAGTEISRHLEGAYADWDVVMSRLRILRQRVENG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (95); Rat (95)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — BBOX1

Entrez GeneID	8424
GeneBank Accession#	NM_003986
Protein Accession#	NP_003977
Gene Name	BBOX1
Gene Alias	BBH, BBOX, G-BBH, gamma-BBH
Gene Description	butyrobetaine (gamma), 2-oxoglutarate dioxygenase (gamma-butyrobetaine hydroxylase) 1
Omim ID	603312
Gene Ontology	Hyperlink
Gene 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]
Other Designations	gamma-butyrobetaine dioxygenase gamma-butyrobetaine hydroxylase gamma-butyrobetaine,2-oxoglutarate dioxygenase 1

Pathway

- [Lysine degradation](#)

Disease

- [Celiac Disease](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)