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Datasheet for ABIN7317173 **BBOX1 Protein (GST tag,His tag)**

Overview

Quantity:	100 µg
Target:	BBOX1
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BBOX1 protein is labelled with GST tag,His tag.

Product Details

Purpose:	Recombinant Human BBOX1/Gamma-BBH Protein (His & GST Tag)
Sequence:	Met 1-Asn387
Characteristics:	A DNA sequence encoding the human BBOX1 (075936) (Met1-Asn387) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 85 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	BBOX1
Alternative Name:	BBOX1/Gamma-BBH (BBOX1 Products)
Background:	Background: BBOX1, also known as gamma-BBH, belongs to the gamma-BBH/TMLD family. It is highly expressed in kidney and moderately expressed in liver. BBOX1 catalyzes the formation of L-carnitine from gamma-butyrobetaine, the last step in the L-carnitine biosynthetic pathway.

Target Details

Carnitine is essential for the transport of activated fatty acids across the mitochondrial membrane during mitochondrial beta-oxidation. BBOX1 is an inhibition target for mildronate which can be used to treat angina and myocardial infarction. Mildronate may also be beneficial for the treatment of neurological disorder, diabetes, and seizures and alcohol intoxication.

Synonym: BBH;BBOX;G-BBH;gamma-BBH

Molecular Weight: 72.5 kDa

UniProt: [O75936](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 8.0

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.