

Recombinant Human BBOX1 / Gamma-BBH Protein (His & GST tag)

Cat.NO.: TP06790

3th Edition

Synonyms:BBH;BBOX;G-BBH;gamma-BBH

Description: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. 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.

Form:PBS

Molecular Weight:72.5 kDa

Sequences:Met 1-Asn387

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.