Datasheet for ABIN7479257

HADHB Protein (AA 35-283, partial) (GST tag)

Go to Product page

1 Image

Overview

Quantity:	100 µg
Target:	HADHB
Protein Characteristics:	AA 35-283, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HADHB protein is labelled with GST tag.
Application:	ELISA

Product Details

Sequence:	APAVQTKTKK TLAKPNIRNV VVVDGVRTPF LLSGTSYKDL MPHDLARAAL TGLLHRTSVP KEVVDYIIFG TVIQEVKTSN VAREAALGAG FSDKTPAHTV TMACISANQA MTTGVGLIAS GQCDVIVAGG VELMSDVPIR HSRKMRKLML DLNKAKSMGQ RLSLISKFRF NFLAPELPAV SEFSTSETMG HSADRLAAAF AVSRLEQDEY ALRSHSLAKK AQDEGLLSDV VPFKVPGKDT VTKDNGIRP
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	95 %

Target Details

Target:	HADHB

Target Details

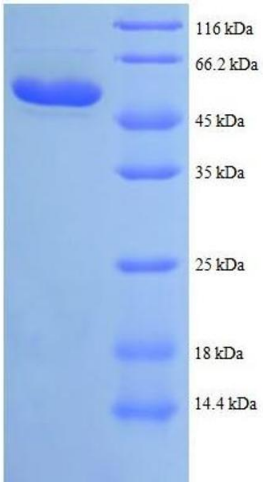
Alternative Name:	Trifunctional enzyme subunit beta, mitochondrial protein (HADHB Products)
Background:	Defects in HADHB are a cause of trifunctional protein deficiency (TFP deficiency) [MIM:609015]. The clinical manifestations are very variable and include hypoglycemia, cardiomyopathy and sudden death. Phenotypes with mainly hepatic and neuromyopathic involvement can also be distinguished. Biochemically, TFP deficiency is defined by the loss of all three enzyme activities of the TFP complex.
Molecular Weight:	54.2 kD
UniProt:	P55084
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C for extended storage, conserve at -20 °C or -80 °C



SDS-PAGE

Image 1. Hydroxyacyl-CoA Dehydrogenase/3-Ketoacyl-CoA Thiolase/enoyl-CoA Hydratase (Trifunctional Protein), beta Subunit (HADHB) (AA 35-283), (partial) protein (GST tag)

