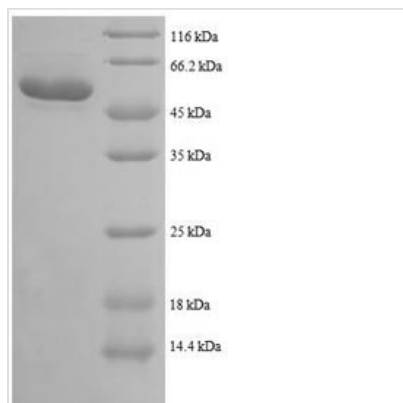




Recombinant Human Trifunctional enzyme subunit beta, mitochondrial (HADHB), partial

Product Code	CSB-EP347003HU1
Abbreviation	Recombinant Human HADHB protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P55084
Alias	TP-beta 1 domains:3-ketoacyl-CoA thiolase (EC:2.3.1.16) ;Acetyl-CoA acyltransferaseBeta-ketothiolase
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	APAVQTKTKKTLAKPNIRNVVVVDGVRTPFLLSGTSYKDLMPHDLARAALTGLL HRTSVPKEVVDYIIFGTVIQEVKTSNVAREAAALGAGFSDKTPAHTVTMACISAN QAMTTGVGLIASGQCDVIVAGGVELMSDVPIRHSRKMRLMLDLNKAQSMGQ RLSLISKFRFNFLAPELPAVSEFSTSETMGHSADRLAAAFVSRLEQDEYALRS HSLAKKAQDEGLLSDVVPFKVPGKDTVTKDNGIRP
Research Area	Metabolism
Source	E.coli
Target Names	HADHB
Expression Region	35-283aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	53.8kDa
Protein Length	Partial

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

In the general approach to express the recombinant Human HADHB protein, a plasmid encoding the Human HADHB protein (35-283aa) is first constructed. The constructed plasmid is then introduced into e.coli cells. Plasmid-containing e.coli cells are screened and cultured under conditions that induce the protein expression. The protein is fused with a N-terminal GST tag. Lysing the cultured cells and purifying the resulting recombinant HADHB protein through affinity purification. The SDS-PAGE analysis is conducted to confirm the presence of the recombinant HADHB protein and assess its purity. Its purity is over 90%.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.