

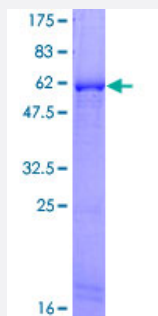
Full-Length

HADHSC (Human) Recombinant Protein (P01)

Catalog # H00003033-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human HADHSC full-length ORF (AAH00306.1, 1 a.a. - 314 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAFVTRQFMRSVSSSSTASASAKKIVKHVTVIGGGLMGAGIAQVAAATGHTVVLVDQTEDILAKS
KKGIEESLRKVAKKKFAENPKAGDEFVEKTLSTIATSTDAASVVHSTDLVVEAMENLKVKNELFK
RLDKFAAEHTIFASNTSSLQITSIANATTRQDRFAGLHFFNPVPVMKLVEVIKTPMTSQKTFESLVD
FSKALGKHPVSCKDTPGFIVNRLVPYLMEAIRLYERGDASKEDIDTAMKLGAGYPMGPFELLDYV
GLDTTKFIVDGWHEMDAENPLHQPSPLNKLVAENKFGKKTGEGFYKYK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

60.28

Interspecies Antigen Sequence

Mouse (90); Rat (90)

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 — HADH

Entrez GeneID[3033](#)**GeneBank Accession#**[BC000306](#)**Protein Accession#**[AAH00306.1](#)**Gene Name**

HADH

Gene Alias

HAD, HADH1, HADHSC, HHF4, M/SCHAD, MGC8392, SCHAD

Gene Description

hydroxyacyl-Coenzyme A dehydrogenase

Omim ID[231530 601609 609975](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene is a member of the 3-hydroxyacyl-CoA dehydrogenase gene family. The encoded protein functions in the mitochondrial matrix to catalyze the oxidation of straight-chain 3-hydroxyacyl-CoAs as part of the beta-oxidation pathway. Its enzymatic activity is highest with medium-chain-length fatty acids. Mutations in this gene cause one form of familial hyperinsulinemic hypoglycemia. The human genome contains a related pseudogene. [provided by RefSeq]

Other Designations

L-3-hydroxyacyl-Coenzyme A dehydrogenase|L-3-hydroxyacyl-Coenzyme A dehydrogenase, short chain

Pathway

- [Butanoate metabolism](#)
- [Caprolactam degradation](#)
- [Fatty acid elongation in mitochondria](#)
- [Fatty acid metabolism](#)
- [Geraniol degradation](#)
- [Lysine degradation](#)
- [Metabolic pathways](#)
- [Tryptophan metabolism](#)
- [Valine](#)

Disease

- [Alcoholism](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Hyperinsulinism](#)