

Recombinant Human Hydroxyacyl-CoA Dehydrogenase, T7-tagged

Cat. No. HADH-845H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HADH was produced in E.coli with a T7 tag at N-terminus. MW = 34278 Da (1-314 aa).
Species	Human
Source	E.coli
ProteinLength	1-314 a.a.
Description	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.
Form	10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN ₃ .
Purity	95%.
Clonality	N/A.
Applications	MS. SDS.

GENE INFORMATION

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Gene Name	HADH hydroxyacyl-Coenzyme A dehydrogenase [Homo sapiens]
Synonyms	HADH; hydroxyacyl-Coenzyme A dehydrogenase; HAD; HHF4; HADH1; SCHAD; HADHSC; M/SCHAD; MGC8392; HADH; hydroxyacyl-coenzyme A dehydrogenase, mitochondrial; HCDH; short-chain 3-hydroxyacyl-CoA dehydrogenase; L-3-hydroxyacyl-Coenzyme A dehydrogenase, short chain; medium and short-chain L-3-hydroxyacyl-coenzyme A dehydrogenase; Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial; HCDH; EC 1.1.1.35; Medium and short-chain L-3-hydroxyacyl-coenzyme A dehydrogenase; Short chain 3-hydroxyacyl-CoA dehydrogenase; L-3-hydroxyacyl-Coenzyme A dehydrogenase
Gene ID	3303
mRNA Refseq	NM_001184705
Protein Refseq	NP_001171634
MIM	601609
UniProt ID	Q16836
Chromosome Location	4q22-q26
Pathway	Butanoate metabolism; Fatty acid elongation in mitochondria; Fatty acid metabolism; Lysine degradation; Metabolic pathways; Tryptophan metabolism; Valine, leucine and isoleucine degradation
Function	3-hydroxyacyl-CoA dehydrogenase activity; binding; coenzyme binding; oxidoreductase activity