

Recombinant Rat Hadh Protein, His-tagged

Cat. No. Hadh-1613R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Hadh Protein (Met1-Ala167) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Met1-Ala167
Description	Enables 3-hydroxyacyl-CoA dehydrogenase activity. Involved in several processes, including fatty acid beta-oxidation; negative regulation of insulin secretion; and response to activity. Predicted to be located in cytoplasm and nucleoplasm. Predicted to be active in mitochondrion. Biomarker of myocardial infarction and obesity. Human ortholog(s) of this gene implicated in familial hyperinsulinemic hypoglycemia 4. Orthologous to human HADH (hydroxyacyl-CoA dehydrogenase).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: \ Accurate Molecular Mass: \
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Hadh hydroxyacyl-CoA dehydrogenase [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Hadh
Synonyms	HADH; hydroxyacyl-CoA dehydrogenase; hydroxyacyl-coenzyme A dehydrogenase, mitochondrial; HCDH; short chain 3-hydroxyacyl-CoA dehydrogenase; short-chain 3-hydroxyacyl-CoA dehydrogenase; hydroxylacyl-Coenzyme A dehydrogenase short chain; hydroxylacyl-Coenzyme A dehydrogenase, short chain; L-3-hydroxyacyl-Coenzyme A dehydrogenase, short chain; medium and short chain L-3-hydroxyacyl-coenzyme A dehydrogenase; medium and short-chain L-3-hydroxyacyl-coenzyme A dehydrogenase; Hadhsc;
Gene ID	113965
mRNA Refseq	NM_057186
Protein Refseq	NP_476534

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UniProt ID

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