

Recombinant Mouse Ehhadh Protein, Myc/DDK-tagged

Cat. No. Ehhadh-2766M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydrogenase (Ehhadh), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Peroxisomal trifunctional enzyme possessing 2-enoyl-CoA hydratase, 3-hydroxyacyl-CoA dehydrogenase, and delta 3, delta 2-enoyl-CoA isomerase activities. Catalyzes two of the four reactions of the long straight chain fatty acids peroxisomal beta-oxidation pathway. Optimal isomerase for 2,5 double bonds into 3,5 form isomerization in a range of enoyl-CoA species. Also able to isomerize both 3-cis and 3-trans double bonds into the 2-trans form in a range of enoyl-CoA species. With HSD17B4, catalyzes the hydration of trans-2-enoyl-CoA and the dehydrogenation of 3-hydroxyacyl-CoA, but with opposite chiral specificity (Probable). Regulates the amount of medium-chain dicarboxylic fatty acids which are essential regulators of all fatty acid oxidation pathways. Also involved in the degradation of long-chain dicarboxylic acids through peroxisomal beta-oxidation.
Molecular Mass	78.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and

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handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade after receiving vials.

Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Ehhadh enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydrogenase [[Mus musculus \(house mouse\)](#)]

Official Symbol [Ehhadh](#)

Synonyms EHHADH; enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydrogenase; peroxisomal bifunctional enzyme; PBE; L-bifunctional enzyme; L-specific multifunctional beta-oxidation protein; HD; LBP; MFP; LBFP; MFP1; PBFE; L-PBE; 1300002P22Rik

Gene ID [74147](#)

mRNA Refseq [NM_023737](#)

Protein Refseq [NP_076226](#)

UniProt ID [Q9DBM2](#)

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