

Recombinant Full Length Human EHHADH Protein, C-Flag-tagged

Cat. No. EHHADH-1458HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human EHHADH Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene is a bifunctional enzyme and is one of the four enzymes of the peroxisomal beta-oxidation pathway. The N-terminal region of the encoded protein contains enoyl-CoA hydratase activity while the C-terminal region contains 3-hydroxyacyl-CoA dehydrogenase activity. Defects in this gene are a cause of peroxisomal disorders such as Zellweger syndrome. Two transcript variants encoding different isoforms have been found for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	79.3 kDa
AA Sequence	MAEYTRLHNALALIRLRNPPVNAISTTLLRDIKEGLQKAVIDHTIKAIVICGAEGKFSAG ADIRGFSAPR TFGLTLGHVVDEIQRNEKPVVAAIQGMAFGGGLELALGCHYRIAHAE AQVGLPEVTLGLLPGARGTQLLP RLTGVPAALDLITSGRRILADEALKLGILDKVVNS DPVEEAIRFAQRVSDQPLESRRLCNKPIQSLPNMD SIFSEALLKMRRQHPGCLAQE ACVRAVQAAVQYPYEVGIKKEEELFLYLLQSGQARALQYAFFAERKANK WSTPSGA SWKTASARPVSSVGVVGLGTMGRGIVISFARARIPVIAVDSDKNQLATANKMITSVLE

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KEASK MQQSGHPWSGPKPRLTSSVKELGGVDLVIEAVFEEMSLKKQVFAELSAVC
 KPEAFLCTNTSALDVDEIAS STDRPHLVIGTHFFSPAHEVMKLLLEVIPSQYSSPTTIATV
 MNLSKKIKKIGVVVGNCFGFVGNRMLNPYYN QAYFLLEEGSKPEEVDQVLEEFQFK
 MGPFVRSDLAGLDVGWKSRRKGQGLTGPTLLPGTPARKRGNRRYCP IPDVLCELGR
 FGQKTGKGWYQYDKPLGRIHKPDPWLSKFLSRYRKTHHIEPRTISQDEILERCLYSLI
 NE AFRILGEGIAASPEHIDVVYLHGYGWPRHKGGPMFYASTVGLPTVLEKLQKYYR
 QNPDIQLEPSDYLLK
 LASQGNPPLKEWQSLAGSPSSKLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	beta-Alanine metabolism, Butanoate metabolism, Fatty acid metabolism, Limonene and pinene degradation, Lysine degradation, Metabolic pathways, PPAR signaling pathway, Propanoate metabolism, Tryptophan metabolism, Valine, leucine and isoleucine degradation
Full Length	Full L.

GENE INFORMATION

Gene Name	EHHADH enoyl-CoA hydratase and 3-hydroxyacyl CoA dehydrogenase [Homo
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sapiens (human)]

Official Symbol EHHADH

Synonyms LBP; ECHD; LBFP; MFE1; PBFE; FRTS3; L-PBE

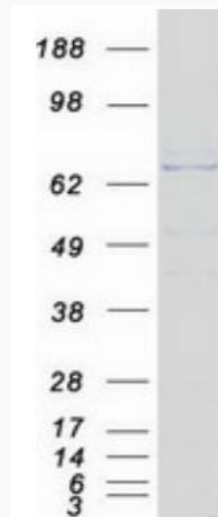
Gene ID 1962

mRNA Refseq NM_001966.4

Protein Refseq NP_001957.2

MIM 607037

UniProt ID Q08426



Coomassie blue staining of purified EHHADH protein.

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