

Recombinant Human EHHADH Protein, GST-tagged

Cat. No. EHHADH-3135H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EHHADH full-length ORF (NP_001957.2, 1 a.a. - 723 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Oct 2009]
Molecular Mass	105.9 kDa
AA Sequence	MAEYTRLHNALALIRLNPPVNAISTTLLRDIKEGLQKAVIDHTIKAIVICGAEGKFSAG ADIRGFSAPRTFGLTLGHVVDEIQRNEKPVVAAIQGMAFGGGLELALGCHYRIAHA AQVGLPEVTLGLLPGARGTQLLPRLTGVPAAALDLITSGRRILADEALKLGILDKVVNSD PVEEAI RFAQRVSDQPLESRRLCNKPIQSLPNMDSIFSEALLKMRRQHPGCLAQEAC VRVQA AVQYPYEVGIKKEELFLYLLQSGQARALQYAFFAERKANKWSTPSGASW KTASARPVSSVG VGLGT MGRGIVISFARARIPVIAVDSDKNQLATANKMITSVLEKE ASKMQQSGHPWSGPKPRLTSSVKELGGVDLVIEAVFEEMSLKKQVFAELSAVCKPE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AFLCTNTSALDVDEIASSTDRPHLVIGTHFFSPAHVMMKLLEVIPSQYSSPTTIATVMNL
 SKKIKKIGVVVGNCFGFVGNRMLNPYYNQAYFLLEEGSKPEEVDQVLEEFGFKMGP
 FRVSDLAGLDVGWKSRRKGQGLTGPTLLPGTPARKRGNRRYCPIDVLCELGRFGQ
 KTGKGWYQYDKPLGRIHKPDPWLSKFLSRYRKTHHIEPRTISQDEILERCLYSLINEA
 FRILGEGIAASPEHIDVVYLHGYGWPRHKGGPMFYASTVGLPTVLEKLQKYRQNPDP
 IPQLEPSDYLKKLASQGNPPLKEWQSLAGSPSSKL

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION
Gene Name

EHHADH enoyl-CoA, hydratase/3-hydroxyacyl CoA dehydrogenase [Homo sapiens]

Official Symbol

EHHADH

Synonyms

EHHADH; enoyl-CoA, hydratase/3-hydroxyacyl CoA dehydrogenase; ECHD, enoyl Coenzyme A, hydratase/3 hydroxyacyl Coenzyme A dehydrogenase; peroxisomal bifunctional enzyme; PBE; 3,2-trans-enoyl-CoA isomerase; peroxisomal enoyl-CoA hydratase; L-3-hydroxyacyl-CoA dehydrogenase; L-bifunctional protein, peroxisomal; enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydrogenase; LBP; ECHD; LBFP; PBFE; L-PBE; MGC120586;

Gene ID	1962
mRNA Refseq	NM_001166415
Protein Refseq	NP_001159887
MIM	607037
UniProt ID	Q08426

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