

## Product datasheet for TP307928

### EHHADH (NM\_001966) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydrogenase (EHHADH), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207928 protein sequence Red=Cloning site Green=Tags(s)

MAEYTRLHNALALIRLRNPPVNAISTLLRDIKEGLQKAVIDHTIKAIVICGAEGKFSAGADIRGFSAPR  
TFGLTLGHVWDEIQRNEKPVVAIQGMAFGGGLELALGCHYRIAHAEAQVGLPEVTLGLLPGARGTQLLP  
RLTGVPAA LDLITSGRRILADEALKLGILDKVNSDPVEEAIRFAQRVSDQPLESRRLCNKPIQSLPNMD  
SIFSEALLKMRRQHPGCLAQEACVRAVQAAVQYPYEVGIIKKEEELFLYLLQSGQARALQYAFFAERKANK  
WSTPSGASWKTASARPVSSVGVVGLGTMGRGIVISFARARIPVIAVSDKNQLATANKMITSVLEKEASK  
MQQSGHPWSGPKPRLTSSVKELGGVDLVEAVFEEMSLKKQVFAELSAVCKPEAFLCTNTSALDVDEIAS  
STDRPHLVIGTHFFSPAHVMLLEVIPSYSSPTTIATVMNLSKKIKKIGVVVGNCFGFVGNRMLNPPYIN  
QAYFLLEEGSKPEEVDQVLEEFGFKMGPFVSDLAGLDVGVWKSRRKGQGLTGPTLLPGTPARKRGNRRYCP  
IPDVLCELGRFGQKTGKGWYQYDKPLGRIHKPDPWLSKFLSRYRKTHHIEPRTISQDEILERCLYSLINE  
AFRILGEGIAASPEHIDVVYLHGYGWPRHKGGMFYASTVGLPTVLEKLQKYRQNPDPQLEPSDYLLKK  
LASQGNPPLKEWQSLAGSPSSKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

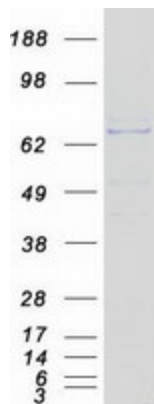
Tag:	C-Myc/DDK
Predicted MW:	79.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001957</a>
<b>Locus ID:</b>	1962
<b>UniProt ID:</b>	<a href="#">Q08426</a>
<b>RefSeq Size:</b>	3870
<b>Cytogenetics:</b>	3q27.2
<b>RefSeq ORF:</b>	2169
<b>Synonyms:</b>	ECHD; FRTS3; L-PBE; LBFP; LBP; MFE1; PBFE
<b>Summary:</b>	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]
<b>Protein Pathways:</b>	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

### Product images:



Coomassie blue staining of purified EHHADH protein (Cat# TP307928). The protein was produced from HEK293T cells transfected with EHHADH cDNA clone (Cat# [RC207928]) using MegaTran 2.0 (Cat# [TT210002]).