

Product datasheet for PH307928

EHHADH (NM_001966) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	EHHADH MS Standard C13 and N15-labeled recombinant protein (NP_001957)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207928
Predicted MW:	79.5 kDa
Protein Sequence:	>RC207928 protein sequence Red=Cloning site Green=Tags(s)

MAEYTRLHNALALIRLRNPPVNAISTLLLRDIKEGLQKAVIDHTIKAIVICGAEGKFSAGADIRGFSAPR
TFGLTLGHVVDEIQRNEKPVVAAIQGMAGGGLELALGCHYRIAHAEAQVGLPEVTLGLLPGARGTQLLP
RLTGVPAAALDLITSGRRILADEALKLGILDKVVNSDPVEEAIRFAQRVSDQPLESRRLCNKPIQSLPNMD
SIFSEALLKMRRQHPGCLAQEACVRAVQAAVQYPYEVGIIKKEEELFLYLLQSGQARALQYAFFAERKANK
WSTPSGASWKTASARPVSSVGVVGLGTMGRGIVISFARARIPVIAVSDKNQLATANKMITSVLEKEASK
MQQSGHPWSPKPRLTSSVKELGGVDLVIEAVFEEMSLKKQVFAELSAVCKPEAFLCTNTSALDVDEIAS
STDRPHLVIGTHFFSPAHEMMLLEVIPSQYSSPTTIATVMNLSKKIKKIGVVVGNCFGFVGNRMLNPYYN
QAYFLLEEGSKPEEVDQVLEEFGFKMGPFVSDLAGLDVGVKSRKGGQLTGPTLLPGTPARKRGNRRYCP
IPDVLCELGRFGQKTGKQWYQYDKPLGRIHKPDPWLSKFLSRYRKTHHIEPRTISQDEILERCLYSLINE
AFRILGEGIAASPEHIDVYVYLGHYGWRHKGPMFYASTVGLPTVLEKLQKYRQNPDIQLEPSDYLLK
LASQGNPPLKEWQSLAGSPSSKL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001957



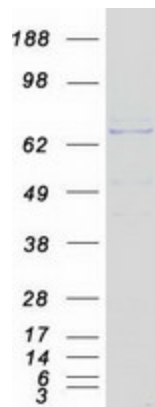
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RefSeq Size:	3870
RefSeq ORF:	2169
Synonyms:	ECHD; FRTS3; L-PBE; LBFP; LBP; MFE1; PBFE
Locus ID:	1962
UniProt ID:	Q08426
Cytogenetics:	3q27.2

Summary: 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]

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

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]).