

Product datasheet for **TP510264**

Ehhadh (NM_023737) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydrogenase (Ehhadh), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210264 protein sequence Red =Cloning site Green =Tags(s)

MAEYLRLPHSLAMIRLCNPPVNAISPTVITEVRNGLQKASLDHTVRAIVICGANDNFCAGADIHGFKSPT
GLTLGSLVDEIQRYQKPVAAIQGVALGGGLELALGCHYRIANAKARVGFPEVMLGILPGARGTQLLPRV
VGVPVALDLITSGRHISTDEALKLGILDVVVKSDPVEEAIKFAQTVIGKPIEPRRILNKPVPSLPNMDSV
FAEAIKVRKQYPGRLAPETCVRSVQASVKHPYEVAIKEEAKLFMYLRGSGQARALQYAFFAEKSANKWS
TPSGASWKTASAQPVSSVGLGLGTMGRGIAISFARVGPVAVESDPKQLDTAKKIITSTLEKEASKSG
QASAKPNLRFSSSTKELSSVDLVEAVFEDMNLKKKVFALSALCKPGAFLCTNTSALDVEDDIASSTDRP
QLVIGTHFFSPAHEMRLLEVIPSRYSSTTIATVMSLSKRIGKIGVVVGNVCYGFVGNRMLAPYYNQGYFL
IEEGSKPEDVDGVLEEFGRMGPFVSDLAGLDVGVKVRKQGLTGPSPGTPTRKRGNTRYSPIADML
CEAGRFGQKTGKGWYQYDKPLGRIHKPDPWLSEFLSQYRETHHIKQRSISKEEILERCLYSLINEAFRIL
EEGMAASPEHIDVIYLHGYGWPRHVGGPMYYAASVGLPTVLEKLQKYRQNPDPQLEPSDYLRRLVAQG
SPPLKEWQSLAGPHSSKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	78.3 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
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_076226
Locus ID:	74147
UniProt ID:	Q9DBM2
RefSeq Size:	3010
Cytogenetics:	16 B1
RefSeq ORF:	2157
Synonyms:	1300002P22Rik; HD; L-PBE; LBFP; LBP; MFP; MFP1; PBF
Summary:	<p>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 (By similarity). 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 (PubMed:24075987). Also involved in the degradation of long-chain dicarboxylic acids through peroxisomal beta-oxidation (By similarity). [UniProtKB/Swiss-Prot Function]</p>