



Recombinant Mouse Peroxisomal bifunctional enzyme (Ehhadh)

Product Code	CSB-MP866744MO
Abbreviation	Ehhadh
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9DBM2
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	MAEYLRLPHS LAMIRLCNPP VNAISPTVIT EVRNLQKAS LDHTVRAIVI CGANDNFCAG ADIHGFKSPT GLTLGSLVDE IQRYQKPVVA AIQGVALGGG LELALGCHYR IANAKARVGF PEVMLGILPG ARGQQLPRV VGVPVALDLI TSGRHISTDE ALKLGILDVV VKSDPVEEAI KFAQTVIGKP IEPRLILNKP VPSLPNMDSV FAEIAKVRK QYPGRLAPET CVRSVQASVK HPYEVAIKEE AKLFMYLRGS GQARALQYAF FAEKSANKWS TPSGASWKTA SAQPVSSVGV LGLGTMGRGI AISFARVGIP VVAVESDPKQ LDTAKKIITS TLEKEASKSG QASAKPNLRF SSSTKELSSV DLVIEAVFED MNLKKKVFAE LSALCKPGAF LCTNTSALDV DDIASSTDRP QLVIGTHFFS PAHIMRLLEV IPSRYSSPTT IATVMSLSKR IGKIGVVVGN CYGFVGNRML APYYNQGYFL IEEGSKPEDV DGVLEEFGR MGPFRVSDLA GLDVGWKVRK GQGLTGPSLP PGTPTRKRGV TRYSPIDML CEAGRFGQKT GKGWYQYDKP LGRIHKPDW LSEFLSQYRE THHIKQRSIS KEEILERCLY SLINEAFRIL EEGMAASPEH IDVIYLGYG WPRHVGGPMY YAASVGLPTV LEKLQKYRQ NPDIPQLEPS DYLRLVAQG SPPLKEWQSL AGPHSSKL
Source	Mammalian cell
Target Names	Ehhadh
Protein Names	Recommended name: Peroxisomal bifunctional enzyme Short name= PBE Short name= PBE Including the following 2 domains: Enoyl-CoA hydratase/3,2-trans-enoyl-CoA isomerase EC= 4.2.1.17 EC= 5.3.3.8 3- hydroxyacyl-CoA
Expression Region	1-718
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This protein 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.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.