

Product datasheet for TP505514

Amacr (BC015825) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse alpha-methylacyl-CoA racemase (cDNA clone MGC:13903 IMAGE:3980103), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205514 protein sequence Red=Cloning site Green=Tags(s)
	MVLADFGAEVVRVNRGLSTGENFLARGKRSLALDLKRSQGVTVLRRCARADVLLPEFRCGVMKQLQLGP ETLLQDNPKLIYARLSGFGQSGIFSKVAGHDINYLALSGVLSKIGRSGENPYPLNLLADFGGGGLMCTL GIVLALFERTSRGRGQVIDSSMVEGTAYLSSFLWKTQPMGLWKQPRGQNILDGGAPFYTTYKTADGEFMA VGAIEPQFYALLLKGLGLESEELPSQMSSADWPEMKKKFADVFAKKTAEWCQIFDGTDACVTPVLTFFEE ALHHQHNRERASFITDGEQLPSRPAPLLSRTPAVPSAKRDPVSGEHTVEVLREYGFQSQEILQLHSDRI VESDKLKANL
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	39.6 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.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	17117
UniProt ID:	<u>O09174</u>



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RefSeq Size: 1472

Cytogenetics: 15 A1

RefSeq ORF: 1080

Synonyms: Macr1

Summary: Catalyzes the interconversion of (R)- and (S)-stereoisomers of alpha-methyl-branched-chain fatty acyl-CoA esters (By similarity). Acts only on coenzyme A thioesters, not on free fatty acids, and accepts as substrates a wide range of alpha-methylacyl-CoAs, including pristanoyl-CoA, trihydroxycoprostanoyl-CoA (an intermediate in bile acid synthesis), and arylpropionic acids like the anti-inflammatory drug ibuprofen (2-(4-isobutylphenyl)propionic acid) but neither 3-methyl-branched nor linear-chain acyl-CoAs (By similarity).[UniProtKB/Swiss-Prot Function]