

Product datasheet for TP505033

Acot7 (NM_133348) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse acyl-CoA thioesterase 7 (Acot7), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205033 protein sequence Red =Cloning site Green =Tags(s)
	MSGPTTDTPAAIQICRIMRPDDANVAGNVHGGTILKMIEEAGAIISTRHCNSQNGERCVAALARVERTDF LSPMCIGEVAVHSAEITYTSKHSVEVQVHVMSENILGTGKLTNKATLWYVPLSLKNVDKLVLEVPPIVYL RQEQEEGRKRYEAQKLERMETKWRNGDIVQVPLNPEPNTVSYSQSSLIHLVGPSDCTLHGFBVHGGVTMK LMDEVAGIVAARHCKTNIVTASVDAINFHDKIRKGCVITISGRMTFTSNKSMEIEVLVDADPVDNSQKR YRAASAFFTYVSLNQEKGKMPVPQLVPETEDEKKRFEEGKGRYLQMKAKRQGHTEPQP
	TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	37.6 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.
RefSeq:	NP_579926
Locus ID:	70025
UniProt ID:	Q91V12



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RefSeq Size: 1494

Cytogenetics: 4 E2

RefSeq ORF: 1017

Synonyms: 2410041A17Rik; Ach1; Act; Bach; Cte-II; CTE-IIa; Lach1

Summary: Acyl-CoA thioesterases are a group of enzymes that catalyze the hydrolysis of acyl-CoAs to the free fatty acid and coenzyme A (CoASH), providing the potential to regulate intracellular levels of acyl-CoAs, free fatty acids and CoASH (PubMed:15288813). Acyl-coenzyme A thioesterase 7/ACOT7 preferentially hydrolyzes palmitoyl-CoA, but has a broad specificity acting on other fatty acyl-CoAs with chain-lengths of C8-C18 (Probable). May play an important physiological function in brain (PubMed:15288813).[UniProtKB/Swiss-Prot Function]