

Recombinant Mouse Them5 Protein, Myc/DDK-tagged

Cat. No. Them5-6409M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length thioesterase superfamily member 5 (Them5), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Has acyl-CoA thioesterase activity towards long-chain (C16 and C18) fatty acyl-CoA substrates, with a preference for linoleoyl-CoA and other unsaturated long-chain fatty acid-CoA esters. Plays an important role in mitochondrial fatty acid metabolism, and in remodeling of the mitochondrial lipid cardiolipin. Required for normal mitochondrial function.
Molecular Mass	27.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Them5 thioesterase superfamily member 5 [Mus musculus (house mouse)]
Official Symbol	Them5
Synonyms	THEM5; thioesterase superfamily member 5; 1110007B02Rik; 1110038F21Rik
Gene ID	66198
mRNA Refseq	NM_025416
Protein Refseq	NP_079692
UniProt ID	Q9CQJ0

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