

## Product datasheet for **TP512834**

### Them5 (NM\_025416) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse thioesterase superfamily member 5 (Them5), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR212834 representing NM_025416 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MLRTSFQGVARLVRHKALYRSPCLLPRVHLASAFGSSTESLVARFCPEKTDLKDYALPNASWCSDMLSLY QEFLEKTKSGGWIKLPSFKSNRDHIQGLKLPFGLETASDKQDWRLFTRSIQLEGQGYEYVIFHPSEKKS VCLFQPGPYLEGAPGFAHGGSLAALMDETYSKTAYLAGEGLFTLSLNIFKNLIPVGS LAVLDIQVEKIE DQKLYMSCIAQSRDKQTVYAKSSGVFLQLQLEEQSQEQ  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-MYC/DDK
Predicted MW:	27.9 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:	<a href="#">NP_079692</a>
Locus ID:	66198
UniProt ID:	<a href="#">Q9CQJ0</a>
RefSeq Size:	1251



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**Cytogenetics:** 3 F2.1

**RefSeq ORF:** 744

**Synonyms:** 1110007B02Rik; 1110038F21Rik

**Summary:** 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 (By similarity). Plays an important role in mitochondrial fatty acid metabolism, and in remodeling of the mitochondrial lipid cardiolipin (PubMed:22586271). Required for normal mitochondrial function (PubMed:22586271).[UniProtKB/Swiss-Prot Function]