

Product datasheet for **SC326691**

THEM2 (ACOT13) (NM_001160094) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	THEM2 (ACOT13) (NM_001160094) Human Untagged Clone
Tag:	Tag Free
Symbol:	THEM2
Synonyms:	HT012; PNAS-27; THEM2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001160094, the custom clone sequence may differ by one or more nucleotides ATGGTTAGAAAGATTACTCTGTCTCTGCTGCTCCTGGGAAAGTGATTTGTGAAATGAAA GTAGAAGAAGAGCATACCAATGCAATAGGCACTCTCCACGGCGGTTTGACAGCCACGTTA GTAGATAACATATCAACAATGGCTCTGCTATGCACGAAAGGGGAGCACCCGGAGTCAGT GTCGATATGAACATAACGTACATGTCACCTGCAAAATTAGGAGAAGATATAGTGATTACA GCACATGTTCTGAAGCAAGGAAAAACACTTGCAATTTACCTCTGTGGATCTGACCAACAAG GCCACAGGAAAATTAATAGCACAAAGGAAGACACACAAAACACCTGGGAAAC
Restriction Sites:	Please inquire
ACCN:	NM_001160094
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001160094.1](#), [NP_001153566.1](#)

RefSeq Size: 4407 bp

RefSeq ORF: 354 bp

Locus ID: 55856

UniProt ID: [Q9NPJ3](#)

Cytogenetics: 6p22.3

Gene Summary: This gene encodes a member of the thioesterase superfamily. In humans, the protein co-localizes with microtubules and is essential for sustained cell proliferation. The orthologous mouse protein forms a homotetramer and is associated with mitochondria. The mouse protein functions as a medium- and long-chain acyl-CoA thioesterase. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, May 2009]

Transcript Variant: This variant (2) includes an alternate exon and uses a distinct start codon, compared to variant (1). The resulting isoform (2) has a shorter and distinct N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.