

## Product datasheet for **MC222806**

### Thrap3 (NM\_146153) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Thrap3 (NM_146153) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Thrap3
Synonyms:	9330151F09Rik; B230333E16Rik; Trap150
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC222806 representing NM\_146153  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCAAAAACAACAATCCAAGTCTGGGTCTCGCTCTTCTCGCTCAAGATCTGCATCCAGATCTCGGT  
 CTCGTTTCGTTTTCAAAGTCTCGGTCCCGAAGCCGATCTGTCTCTCGTTCAAGGAAGCGCAGGCTGAGTTC  
 TAGGTCTCGTTCCAGATCATATTCTCCAGCTCATAACAGAGAAAAGGAATCACCCAGAGTGTATCAGAAT  
 CGAGATTTCCGAGGTATAACAGAGGCTACAGGAGGCCCTATTACTTCCGTGGGCGAAAACCGAGGCTTTT  
 ATCCATGGGGCCAGTATAACCGAGGTGGCTATGGAACTACCGTTCCAATTGGCAGAACTACCGGCAAGC  
 ATACAGCCCTCGTCGGGGCCGTTCTCGATCCCGGTCCCAAGAGAAAGTCCCCTTACCACGGTCCAGG  
 AGCCATTTAGGAACTCTGACAAGTCATCTCTGACAGGTCAAGACGCTCCTCATCTCCGGTCTGCTCT  
 CCAACCACAGCAGAGTTGAGTCGTCTAAGCGAAAGTCTACAAAAGAGAAAAAGTCTCTTCCAAGGATAG  
 CCGGCCATCTCAGGCAGTGGTATAACAGGGAGATGAGGCTAAGGAGCAGACATTTCTTGGAGGCACC  
 TCTCAAGATATAAAAGGGTCTGAGAGCTCAAAGCCATGGCCAGATGCCACCACCTATGGCGCCGGTCTG  
 CATCACGGGCTCGGTTTCTGATCTGAGTCCCCGGGAGAGAAGCCAGCTCTCAAAGCCCCCTCCAGTC  
 TGTGGTGGTTAGGCGCAGGTACCACGCCTAGCCCTGTGCCAAAACCCAGTCTCCACTTTCTAATGCG  
 TCCCAGATGGGCTCGTCTATGTCAGGGGTGCTGGGTATCAGTCTGGAGCACACCAAGGCCAGTTCGACC  
 ATGGCTCTGGGTCTTTGAGTCCATCCAAAAGAGCCCTGTGGGTAAAGTCCACCAGTACTGGCTCTGC  
 ATATGGCTCATCTCAGAAAGAGGAGAGTGTCTTTCGGGAGGGGAGCAGTATTCAAAGGATCTGGAG  
 GAGCAGAAGACTGAGAAATGGGAAGGATAAGGAGCAGAAACAACAATGCCGATAAGGAGAAGCTGAAGG  
 AGAAAGGGGCTTCTCTGATGCTGATGTCAAAATGAAATCTGATCCATTTGCTCCCAAGCGGACTGTA  
 GAAGCCCTTCCGAGGCAGCCAGTCGCCAAAAGTATAAGCTTCGGGATGACTTTGAGAAAAAGATGGCT  
 GACTTCCACAAGGAGGAGCTGGATGAGCACGATAAGGACAAAAGTAAAGGAAGGAAGGAACCCGAGTTTG  
 ATGATGAGCCAAATTTATGTCGAAAGTCATAGCCGGTGAAGCAAAAACCCAGGAGGAAGAGAAGTCAGG  
 CAAGTGGGAGAGCCTGCACACAGGGAAGGAAAAGCAGAGGAAGGCAGAGGAAATGGAGGATGAGCCTTTC  
 ACAGAGAGATCCCGAAAGGAGGAGCGTGGAGGGTCCAAGAGGAGTAAAGTGGGCACAGGGGCTTTGTGC  
 CAGAAAAGAAATTCGGGTGACTGCGTACAAGGCGGTCCAGGAGAAAAGTTCATCGCCGCCCCCAAGGAA  
 GACCTCTGAGAGCCGTGACAAGCTGGGAAGCAAAGGAGACTTTTCTCAGGGAAGTCTTCTTTTCCATT  
 ACCCGGGAGGCCAAGTCAATGTCCGGATGGACTCCTTCGATGAGGACCTTGACGACCTAGTGGTTTAT  
 TGGCTCAGGAGCGAAAGCTCTGTCCGGATCTAGTCCATAGCAACAAAAGGAGCAGGAGTCCCGTCCAT  
 TTTCCAGCACATACAGTCGGCTCAGTCTCAGCGTAGCCCTCAGAACTGTTTGTCTCAGCACATAGTGACC  
 ATTGTTATCATGTTAAAGAGCATCACTTTGGATCCTCTGGAATGACATTGCATGAACGCTTTACTAAAT  
 ACCTAAAGAGAGGAAATGAACAAGAAGCAGTAAAAATAAGAAAAGCCAGAGATACACAGGAGGATAGA  
 CATTTCCCCAGTACATTCAGAAAGCATGGTTTGACTCATGAGGAATTGAAAAGTCCACGGGAACCTGGC  
 TACAAGGCTGAGGGAAAATACAAAGATGATCCTGTTGATCTTCGCCTTGATATTGAACGTCGTA AAAAC  
 AAAGGAGAGAGATCTTAAGCGAGGTAATCAAGAGAGTCAAGTGGATTCCAGAGACTTAGCCACTCAAG  
 AGAAAGATCAACTGAAAAGACAGAGAAAACCCACAAGGATCAAAGAAGCAGAAGAAGCACCAGAGCA  
 AGAGACCGGTCCAGGTCTCTCTCTCTCCAGTCCCTCCATTCTCAAAGCAGAGGAGTACCCTG  
 AGGAGGCAGAAGAGAGGGAGGAGACCTCAGGTTTCGACAAAATCCAGATTGGGGACAAAAGACTTCGT  
 GGGTCCGAATGAAAGAGGCGGCAGAGCTCGGGAACCTTTCAATTTCTGCAAGAGGGAGAGGATGGGGC  
 AGAGGAAACTATTCTGGTAACAATAACAACAACAGCAACAATGATTTTCAAAGAGAAAGCCGGGAAGAG  
 AGTGGGATCCAGAGTACACGCCCAAGAGCAAGAAGTATTACTTGCATGACGACCGGGAAGGCGAGGGCAG  
 CGACAAGTGGATGGGCCGAGGCCGAGGCCGAGGAGCCTTCCCGGGGGCGGGCCGTTTATGTTCCGG  
 AAGTCCAGTACCAGCCCCAAGTGGGCCATGACAAGTTCAGTGGGAGGAGGGAGAGATAGAAGACGACG  
 AGAGTGGGACAGAGAACAGAGAAGAGAAGGACAGTTTACAGCCCTCAGCTGAG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI

<b>ACCN:</b>	NM_146153
<b>Insert Size:</b>	2856 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_146153.3</a> , <a href="#">NP_666265.3</a>
<b>RefSeq Size:</b>	4350 bp
<b>RefSeq ORF:</b>	2856 bp
<b>Locus ID:</b>	230753
<b>UniProt ID:</b>	<a href="#">Q569Z6</a>
<b>Cytogenetics:</b>	4 D2.2
<b>Gene Summary:</b>	<p>Involved in pre-mRNA splicing. Remains associated with spliced mRNA after splicing which probably involves interactions with the exon junction complex (EJC). Can trigger mRNA decay which seems to be independent of nonsense-mediated decay involving premature stop codons (PTC) recognition. May be involved in nuclear mRNA decay. Involved in regulation of signal-induced alternative splicing. During splicing of PTPRC/CD45 is proposed to sequester phosphorylated SFQ from PTPRC/CD45 pre-mRNA in resting T-cells. Involved in cyclin-D1/CCND1 mRNA stability probably by acting as component of the SNARP complex which associates with both the 3'end of the CCND1 gene and its mRNA. Involved in response to DNA damage. Is excluded from DNA damage sites in a manner that parallels transcription inhibition; the function may involve the SNARP complex. Initially thought to play a role in transcriptional coactivation through its association with the TRAP complex; however, it is not regarded as a stable Mediator complex subunit. Cooperatively with HELZ2, enhances the transcriptional activation mediated by PPARG, maybe through the stabilization of the PPARG binding to DNA in presence of ligand. May play a role in the terminal stage of adipocyte differentiation. Plays a role in the positive regulation of the circadian clock. Acts as a coactivator of the CLOCK-ARNTL/BMAL1 heterodimer and promotes its transcriptional activator activity and binding to circadian target genes (PubMed:24043798).[UniProtKB/Swiss-Prot Function]</p>