

## Product datasheet for MC202356

### Thoc7 (NM\_025435) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Thoc7 (NM_025435) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Thoc7
Synonyms:	Nif3l1bp1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC054419 sequence for NM_025435

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CTGCATTGTGGGAGTTTGACCTTCGCCCAACCGCCGCTCAGCTCGCGCCGCCGCCGCCGCGCACGCC
ATGGGAGCCGTGACTGACGACGAAGTTATACGGAAACGTCTTCTGATTGATGGAGATGGTGCTGGGGATG
ATCGGAGAATTAATCTCCTCGTGAAAAGCTTCATTAAATGGTGCAACTCTGGATCCCAAGAGGAAGGGTA
TAGCCAGTACCAACGCATGCTGAGCACTCTGTCCAGTGTGAATTTCAATGGGCAAAACATTGCTGGTA
TATGATATGAATCTCAGAGAAATGGAAAATTATGAAAAATATACAAAGAAATAGAATGTAGTATTGCTG
GAGCACATGAAAAAATTGCTGAGTGTAAGGAGCAGATTCTTCAAGCAAAACGAATACGAAAAATCGACA
AGAATATGACGCTTTGGCCAAAATGATCCAGCATCACCAGATAGGCATGAGACACTGAAGGAGCTAGAG
GCTCTGGGCAAGAATTAGAGCATCTCTACATATTAAGAAAAGTGTGGAAGATAAGCTGGAATTGAGAC
GGAAACAATTTACGTTCTTCTTAGTACCATCCATGAACCTCAACAGACATTGGAGAATGATGACAAGCT
GTCAGAGGTGGATGAAGCTCAAGAAAGCACCATGGAAGCAGACCCTAAGCCGTAGATGGGCTGACCGTCG
CCATTTACAGGGACAGCGAATAGCTGCATGGGCTTCTGGGTTTCAGTGTGTTGTACTTTTGGGATATTTT
AACTTCAGCATTGAAGTACTTTGCTTTCAAGTATTCATGTGTCATTTCATATTTCTTCACAGAACGAAAT
GTATCCCATATATATGTATTTTTTAAATACATTTTATCCTTAAACATAGAAATCAGCATCTGAAAAATAT
TTAATAAAATGTCTCAAGGTGAAAAAAGGAAAAAAGGAAAAAAGGAAAAAAGGAAAAAAGGAAAAAAGG
  
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Restriction Sites:	RsrII-NotI
ACCN:	NM_025435
Insert Size:	615 bp
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).


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<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">BC054419</a> , <a href="#">AAH54419</a>
<b>RefSeq Size:</b>	993 bp
<b>RefSeq ORF:</b>	615 bp
<b>Locus ID:</b>	66231
<b>UniProt ID:</b>	<a href="#">Q7TMY4</a>
<b>Cytogenetics:</b>	14 A1
<b>Gene Summary:</b>	<p>Required for efficient export of polyadenylated RNA. Acts as component of the THO subcomplex of the TREX complex which is thought to couple mRNA transcription, processing and nuclear export, and which specifically associates with spliced mRNA and not with unspliced pre-mRNA. TREX is recruited to spliced mRNAs by a transcription-independent mechanism, binds to mRNA upstream of the exon-junction complex (EJC) and is recruited in a splicing- and cap-dependent manner to a region near the 5' end of the mRNA where it functions in mRNA export to the cytoplasm via the TAP/NFX1 pathway.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>