

## Product datasheet for SC321996

### THOC7 (NM\_025075) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	THOC7 (NM_025075) Human Untagged Clone
Tag:	Tag Free
Symbol:	THOC7
Synonyms:	fSAP24; hTREX30; NIF3L1BP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>&gt;OriGene sequence for SC321996</p> <pre> GCCATGGGAGCCGTGACTGACGACGAAGTTATACGGAAGCGTCTCCTCATTGATGGAGAT GGTGCTGGAGATGATCGGAGAATTAATCTGCTAGTGAAGAGTTTCATTAATGGTGCAAC TCTGGGTCCCAGGAAGAGGGATATAGCCAGTACCAACGTATGCTGAGCACGCTGTCTCAA TGTGAATTTTCAATGGGCAAACTTTACTAGTATATGATATGAATCTCAGAGAAATGGAA AATTATGAAAAATTTACAAGGAAATAGAATGTAGCATAGCTGGAGCACATGAAAAAATT GCTGAGTGCAAAAAGCAAATTTCTTCAAGCAAAACGAATACGAAAAATCGCCAAGAATAT GATGCTTTGGCAAAAGTGATTTCAGCACCATCCAGACAGGCATGAGACATTAAGGAACTA GAGGCTCTGGGAAAAGAATTAGAGCATCTTTCACACATTAAGAAAGTGTGAAGATAAG CTGGAATTGAGACGGAACAGTTTCATGTTCTTCTTAGTACCATCCATGAACTTCAGCAA ACATTGGAATGATGAAAACTCTCAGAGGTAGAAGAAGCTCAGGAAGCAAGCATGGAA ACAGATCCTAAGCCATAGACAGGCTAATTGCCCACTCCAGGAATATTGAAATAGCT ACATGACCATAATGTGTTTAAATGTGGTATGCTCTTGAGATATTAAAGTTTGGCAGT AAAATACTCTGTTTTAAGTATGAATGTATTTTCATTCATTTCTCTCACAAGGAAAA TGACTTCAGTATAGATTTGTTTTTATTAATGCAATTTTTATTCTTAAGTGGTAGGAAG CAACATCCAAAATGCTTAATAAATGCTTTAAGCTGCAAAAAAAAAAAAAAAAAAAAA AAA</pre>

Restriction Sites: Please inquire

ACCN: NM\_025075

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>OTI Annotation:</b>	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.
<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_025075.1</a> , <a href="#">NP_079351.1</a>
<b>RefSeq Size:</b>	963 bp
<b>RefSeq ORF:</b>	615 bp
<b>Locus ID:</b>	80145
<b>UniProt ID:</b>	<a href="#">Q6I9Y2</a>
<b>Cytogenetics:</b>	3p14.1
<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 longest isoform (1).</p>