

Product datasheet for **SC104947**

THOC3 (NM_032361) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	THOC3 (NM_032361) Human Untagged Clone
Tag:	Tag Free
Symbol:	THOC3
Synonyms:	hTREX45; THO3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032361, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGTCCCCGCTGCAGCCATGGGGCCCTCGGCCTGGGCCAGAGCGGCCCGGCTCGATGGCCCCGT
GGTGCTCAGTGAGCAGCGGCCCGTCGCGCTACGTGCTTGGGATGCAGGAGCTGTTCCGGGGCCACAGCAA
GACGCGGAGTTCCTGGCGCACAGCGCCAAGGTGCACTCGGTGGCCTGGAGTTGCGACGGGCGTCGCCTA
GCCTCGGGGTCTTCGACAAGACGGCCAGCGTCTTCTTGCTGGAGAAGGACCGGTTGGTCAAAGAAAACA
ATTATCGGGGACATGGGGATAGTGTGGACCAGCTTTGTTGGCATCCAAGTAATCCTGACCTATTTGTTAC
GGCGTCCGGAGATAAAAACATTCGCATCTGGGATGTGAGGACTACAAAATGCATTGCCACTGTGAACACT
AAAGGGGAGAACATTAATATCTGCTGGAGTCTGATGGGCAGACCATTGCTGTAGGCAACAAGGATGATG
TGGTGACCTTTATTGATGCCAAGACACACCGTTCCAAAGCAGAAGAGCAGTTCAAGTTTCGAGGTCAACGA
AATCTCCTGGAACAATGACAATAATATGTTCTTCTGACAAATGGCAATGGTTGTATCAACATCCTCAGC
TACCCAGAAGTGAAGCCTGTGCAGTCCATCAACGCCCATCCTTCCAAGTGCATCTGTATCAAGTTTGACC
CCATGGGGAAAGTACTTTGCCACAGGAAGTGCAGATGCTTTGGTCAGCCTCTGGGATGTGGATGAGTTAGT
GTGTGTTTCGGTGTCTTTCCAGGCTGGATTGGCCTGTAAGAACCCTCAGTTTCAGCCATGATGGGAAAATG
CTGGCGTCAGCATCGGAAGATCATTTTATTGACATTGCTGAAGTGGAGACAGGGGACAAACTATGGGAGG
TACAGTGTGAGTCTCCGACCTTCACAGTGGCGTGGCACCCCAAAGGCCCTCTGCTGGCATTTCCTGTGA
TGACAAAAGACGGCAAATATGACAGCAGCCGGGAAGCCGGAAGTGTGAAGCTGTTTGGGCTTCTAATGAT
TCTTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_032361 unedited</p> <pre> TTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGACTGACTGCGCCG TGGAGGCTGCTGCAGTGTGTGAGTTGGAAGCTGGGGAGCTCGGCATGGCGGTCCCCGCT GCAGCCATGGGGCCCTCGGCGTTGGGCCAGAGCGGCCCGGCTCGATGGCCCCGTGGTGC TCAGTGAGCAGCGGCCGCTCGCGCTACGTGCTTGGGATGCAGGAGCTGTTCCGGGGCCAC AGCAAGACGCGCGAGTTCTGGCGCACAGCGCCAAGGTGCACTCGGTGGCCTGGAGTTGC GACGGGCGTCGCCTAGCCTCGGGGTCTTCGACAAGACGGCCAGCGTCTTCTTGCTGGAG AAGGACCGTTGGGGAGAACATTAATATCTGCTGGAGTCTGATGGGCAGACCATTGCTG TAGGCAACAAGGATGATGTGGTGACCTTTATTGATGCCAAGACACACCGTTCCAAAGCAG AAGAGCAGTTCAAGTTCGAGGTCAACGAAATCTCTGGAACAATGACAATAATATGTTCT TCCTGACAAATGGCAATGGTTGTATCAACATCCTCAGCTACCCAGAACTGAAGCCTGTGC AGTCCATCAACGCCCATCCTTCCAACCTGCATCTGTATCAAGTTTGACCCCTGGNNGAAGT ACTTTGCCACAGGAAGTGCGGATGCTNTGGTCAGCCTCTGGGATGTGGATGAGTTNAGTG TGTGGTTCGGTGTCTTTCCAGGCTGGATTGGGCCTGTAGAACCCTCAGTTTCAGCCATGA TGGGAAAATGCCTGGCGTCACATCNGAAGATCATTTTATTGACATGCCTNGAGTGAGACA GGGACAACCTGGGGAGGTACAGTGTGAGTCTCCGACTTCACATGGCGGTGGCACCCCAA AGGCCTCTGCTG </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_032361 unedited</p> <pre> ACCGTGGCCGNNTTGGAGGNCGAGTTTTTTTTCTTTTTTTTTTCCATAATAACAAAAGTT AGTTTATTAATGCTCAATTCTCAAAATATATGTATATATTTTTAATTATTTAAAAAAA CTTCCATGCCCTTCCATCCCCTCCCTCCAAACTAGGTATTGTCCAAGTTGTATCAAATG CCACAAAGTCTACCATGCACCCAGAAGCAGAGAAGACAGGAGTCCAGAGGACAAGGTAT GCTGGGGTCACTACTCGCACTGCAGAGTCCACGCGAGTTAACTCATGCTGGGGGCAAAGA ATGGAAAGAGCTAATACACAGACAAAGCAAAGAACGAAATGCGCAGCCTGACCAGAGAC GTTTACAATTTATACCACTTACAAATATTTAGGGTGCCCAACTCCGAGAGAACAGA CCAAACTAACCACATGAAGGAAGACCTCTGCCGGGGCCTCCTCTCCCTACAACCTCCTCT CAAGAATCATTAGGAAGCCAAACAGCTTACAGTTCCGGCTTCCCGGCTGCTGTGCATAT TTGCCGTCTTTGTATCACAGGCAAATGCCAGCAGAGGCCTTTTGGGGTGCCACGCCACT GTGAAGGTCGGAGACTCACACTGTACCTCCCATAGTTTGTCCCCTGTCTCCTACTCAGCA ATGTCAATAAAAATGATCTTNCGATGCTGACGCCAGCATTTCATCATGGCTGNACTG AGGGNCTTACAGGGCCATCCAGCCTGGAAAAAGCACCGACACACACTAACTCATCCACA TCCAGAGGCTGACCAAAGCATCCGCACTTTCTGTGGCAAGTACTTNCCTATGGGGTCAA AACTGAACAGATGCAGNTGGAANGGATGGCGTTGATGGACTGCACAGGCTCANTTCTGGG TANCTGAGGATGGTGATACCCATTGCCATTNGTCAGGAAGAACATATTATTGTATTGT TNCACGAAATCCGNTGACCCCGAACTTGACTGCTTTTTGCTTGGAACGGGGTGTCTGGC ATCATAAAGGCCACCCTCAT </pre>
Restriction Sites:	ECoRI-NOT
ACCN:	NM_032361
Insert Size:	1470 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).
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).

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_032361.1](#), [NP_115737.1](#)

RefSeq Size: 1577 bp

RefSeq ORF: 1056 bp

Locus ID: 84321

UniProt ID: [Q96J01](#)

Cytogenetics: 5q35.2

Domains: WD40

Protein Pathways: Spliceosome

Gene Summary: This gene encodes a component of the nuclear THO transcription elongation complex, which is part of the larger transcription export (TREX) complex that couples messenger RNA processing and export. In humans, the transcription export complex is recruited to the 5'-end of messenger RNAs in a splicing- and cap-dependent manner. Studies of a related complex in mouse suggest that the metazoan transcription export complex is involved in cell differentiation and development. A pseudogene of this gene has been defined on chromosome 5. [provided by RefSeq, May 2013]