

Product datasheet for SC307900

THEG (NM_199202) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	THEG (NM_199202) Human Untagged Clone
Tag:	Tag Free
Symbol:	THEG
Synonyms:	CT56; THEG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307900 representing NM_199202. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCTGCTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGGGGACAGCAGGCGAAGGTCACTCGGGAACAGCCAGCTCTGAGGCTGCGGGCAGGTCTGAAAGG
 GAGCAGGACGGCGACCCCGTGGCCTCCAGAGCTCTGTGTACGAGAGCCGGCGGGTCACAGACCCCGAA
 CGCCAGGACCTGGACAATGCAGAGCTGGGACCAGAAGACCCAGAAGAGGAGCTTCCCCCGAGGAGGTG
 GCCGGGGAGGAGTTCCCGGAGACCCTGGATCCCAAAGAGGCACCTTCTGAGTTGGAGAGAGTCCTGGAC
 AAGGACTTGGAAGAGGACATTCTGAAATCAGCCGGCTGTCCATCAGCCAGAAGCTCCCCAGCACACC
 ATGACCAAAGCAAGGAAGAGGAGGAGGCGGAGGAGCTCATGGAGCTGGCAGAGCCCAAGATAAACTGG
 CAAGTCCTGAAAGACAGGCCCTCTGTGTACTGGACCGAGCGGTTCTTGAGGACACCACCTCACCATC
 ACAGTGCCCGCGGTGTCCCGCCGCTGGAGGAAGTGTCTCGGCCCAAGAGATTCTACCTGGAATATTAC
 AACAAACACAGGACGACTCCTGTCTGGCCATTCTCGGTCTCCTGGAATACAGAGCGTCGAGTCGC
 CTGAAGGAAGTGGCCGCCCGCAAGATTCTGTGATAACTTCTGGAGCATGCCATGTCTGAGGTGTCCAG
 GTATCCAGGGCAGCCCAATGGCAGTCCCGAGCTCGCGGATCCTCCAGTTGTCAAAGCCGAAGGCCCA
 GCCACCTCTTGAAGAGTGGGACCCCGTGCCAAAACCAAGCCACATGTGTCAGACCATAACCGCCTC
 CTTCACTTGGCCAGGCCCAAAGCTCAGTCGACAAAGTGCCTTCTGACCGAGATCCTCGCTGGGAGGTG
 CTGGATGTCACCAAGAAGGTGGTGGCCAGCCCCGGATCATCTCCCTGGCCAAGCCCAAAGTGCACAAG
 GGCCTCAACGAGGATACGACAGGCGTCCCTCGCCTCTATGAGCTTGCCACCCCAAAAGCATCACCA
 GAAAAGTGTGATCAACCCAGGCCTGGCCT**TAA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_199202


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Insert Size:	1068 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).
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).
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:	<u>NM_199202.2</u>
RefSeq Size:	1269 bp
RefSeq ORF:	1068 bp
Locus ID:	51298
UniProt ID:	<u>Q9P2T0</u>
Cytogenetics:	19p13.3
MW:	40.7 kDa
Gene Summary:	This gene is specifically expressed in the nucleus of haploid male germ cells. The orthologous gene in mice encodes a protein that may play a role in protein assembly through interactions with T-complex protein 1 subunit epsilon. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011] Transcript Variant: This variant (2, also known as THEG minor) lacks an exon in the 5' coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.