

Product datasheet for RC205211

THEG (NM_016585) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	THEG (NM_016585) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	THEG
Synonyms:	CT56; THEG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC205211 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGGGGACAGCAGGCGAAGGTCACTCGGGAACCCAGCTCTGAGGCTGCGGGCAGGTGCGAAAGGG
 AGCAGGACGGCGACCCCGTGGCTCCAGAGCTCTGTGTACGAGAGCCGGCGGTACAGACCCGAACG
 CCAGGACCTGGACAATGCAGAGCTGGGACCAGAAGACCCAGAAGAGGAGCTTCCCCCGAGGAGGTGGCC
 GGGGAGGAGTTCCCGGAGACCCTGGATCCCAAAGAGGCACTTTCTGAGTTGGAGAGAGTCTGGACAAGG
 ACTTGGAAGAGGACATTCTGAAATCAGCCGGCTGTCCATCAGCCAGAAGCTCCCAGCACCACCATGAC
 CAAAGCAAGGAAGAGGAGGAGGCGGAGGAGGCTCATGGAGCTGGCAGAGCCCAAGATAAACTGGCAAGTC
 CTGAAAGACAGGAAGGGACGCTGTGGTAAGGGGTATGCCTGGATCTCCCATGTAAGATGAGCTTGCACT
 TCTGTCTCTGCTGGCCCTCTGTGTACTGGACCGAGCGTTCTTGAGGACACCACCCTCACCATCACAGT
 GCGCGGGTGTCCCGCCGCTGGAGGAAGTGTCTCGGCCCAAGAGATTCTACCTGGAATATTACAACAAC
 AACAGGACGACTCTGTCTGGCCATTCTCGGTCTCCCTGGAATACAGAGCGTCGAGTCGCCTGAAGG
 AACTGGCCGCCCCGAAGATTCTGTATAACTTCTGGAGCATGCCATGTCTGAGGTGTCCAGGTATCCAG
 GGCAGCCCAATGGCAGTCCCCAGCTCGCGGATCCTCCAGTTGTCAAAGCCGAAGGCCCCAGCCACCCTC
 TTGGAAGAGTGGGACCCCGTGCCAAAACCAAGCCACATGTGTGAGACCATTAACCGCTCCTTCACTTGG
 CCAGGCCCAAAGCTCAGTCGGACAAGTGCCTTCTGACCGAGATCCTCGCTGGGAGGTGCTGGATGTCAC
 CAAGAAGGTGGTGGCCAGCCCCGGATCATCTCCCTGGCCAAGCCCAAAGTGCGCAAGGGCTCAACGAG
 GGATACGACAGGCGTCCCTCGCCTCTATGAGCTTGCCACCCCCAAAAGCATCACCAGAAAAGTGTGATC
 AACCCAGGCTGGCCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC205211 protein sequence
 Red=Cloning site Green=Tags(s)

MGDSRRRSLGNQPSSEAAGRSEREQDGDPRGLQSSVYESRRVTDPERQDLDNAELGPEDPEEELPPEEVA
 GEEFPETLDPKEALSELERVLDKDLEEDIPEISRLSISQKLPSTMTKARKRRRRRLMELAEPKINWQV
 LKDRKGRGKGYAWISPKMSLHFCWCPSVYWTERFLEDITLTITVPAVSRRVEELSRPKRFYLEYYNN
 NRTTPVWPIPRSSLEYRASSRLKELAAKIRDNFWSMPMSEVSVQVSRAAQMVPSSRILQLSKPKAPATL
 LEEWDPVPKPKPHVSDHNRLHLARPKAQSDKCPDRDPRWEVLDTKKVVASPRIISLAKPKVRKGLNE
 GYDRRPLASMSLPPPKASPEKCDQPRPGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6314_a03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016585

ORF Size: 1137 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_016585.5](#)

RefSeq Size: 1341 bp

RefSeq ORF: 1140 bp

Locus ID: 51298

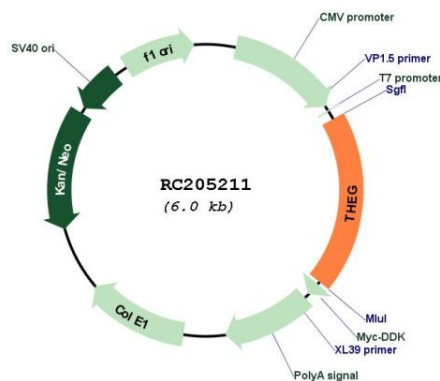
UniProt ID: [Q9P2T0](#)

Cytogenetics: 19p13.3

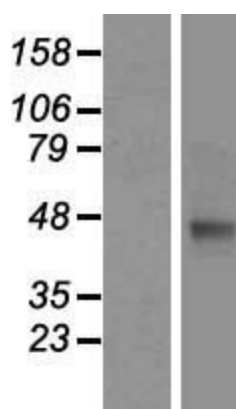
MW: 43.4 kDa

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]

Product images:



Circular map for RC205211



Western blot validation of overexpression lysate (Cat# [LY413885]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205211 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).