

## Product datasheet for **SC327166**

### **THEMIS (NM\_001164685) Human Untagged Clone**

#### **Product data:**

|                           |                                            |
|---------------------------|--------------------------------------------|
| Product Type:             | Expression Plasmids                        |
| Product Name:             | THEMIS (NM_001164685) Human Untagged Clone |
| Tag:                      | Tag Free                                   |
| Symbol:                   | THEMIS                                     |
| Synonyms:                 | C6orf190; C6orf207; GASP; SPOT; TSEPA      |
| Mammalian Cell Selection: | Neomycin                                   |
| Vector:                   | pCMV6-Entry (PS100001)                     |
| E. coli Selection:        | Kanamycin (25 ug/mL)                       |



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**Fully Sequenced ORF:** >SC327166 representing NM\_001164685.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGCATTATCACTGGAAGAATTCGTCCACTCCCTTGACCTCAGGACCCTACCCAGGGTTCTAGAAATC
CAGGCAGGCATCTATCTTGAAGGCTCTATTTATGAAATGTTTGGAAATGAATGCTGTTTTCAACAGGA
GAAGTGATTAAAAATTACTGGTCTCAAAGTTAAGAAGATCATAGCTGAAATTTGTGAGCAGATTGAAGGT
TGTGAGTCTCTACAGCCATTTGAACTGCCTATGAATTTTCCAGGTCTTTTAAGATTGTGGCTGATAAA
ACTCCATACCTTACTATGGAAGAAATCACAAGGACCATTATTTGGACCAAGTAGACTAGGGCATCCT
TGCTTCTATCATCAGAAGGATATAAACTAGAGAACCTCATATAAGCAGGGTGAGCAATCATGCTC
AACTCAGTTGAAGAGATTGATGGAGAAATAATGGTGAGCTGTGCAGTAGCAAGGAATCATAACTCAC
TCATTTAATTTGCCTTTGTCACAAGAAGGAGAATTCTACGAGTGTGAAGATGAACGTATTTACACTCA
AAGGAGATTGTTGAATGGAAGATTCTAAGAACAGAACAAAGACTGTAACCTTACAGATTTTCAAAT
AAGTGGGACTCAACGAATCCATTTCTAAAGACTTTTATGGTACCCTGATTCTCAAGCCTGTTTATGAA
ATTCAAGGTGTGATGAAATTTGAAAAGATATAATCCGCATCCTCCCACTCTAGATGTCGAAGTCAAA
GACATCACTGATTCTTACGATGCTAACTGGTTTCTTCAGCTGTTATCAACAGAAGATCTTTTGAATG
ACTAGTAAAGAGTTCCCATAGTGACTGAAGTCATAGAAGCACCTGAAGGAAACCACTGCCCAAGC
ATTTTACAGCCTGGGAAAACCATTTGTGATCCACAAAAGTACCAGGCATCAAGAACTTAGCTTCAGAA
ATTAGAAGCAATTTTCTAAAAGACACTTCTTGATCCCACTAGCTATAAAGGCAAGTTCAGCGGCGA
CCGAGGGAGTTCCCAACGGCCTATGACCTAGAGATCGCTAAGAGTGAAAAGGAGCCTCTTCACGTGGTG
GCCACCAAAGCGTTTCATTCCCCTCATGACAAGCTGTATCCGTATCTGTTGGGGACCAGTTTCTGGTG
CATCAGTCAGAGACGACTGAAGTCTCTGTGAGGGAATAAAAAAGTGGTGAATGTTCTGGCCTGTGAA
AAAATCCTCAAAAAGTCTATGAGGCTGCGCTGCTCCCTTTGTACATGGAAGGAGGTTTTGTAGAGGTG
ATTCATGATAAGAAACAGTACCCGATTTCTGAGCTCTGTAAACAGTTCGTTTGCCTTCAATGTGAAG
GTGTCTGTGAGGATCTTCCATTGAAGAGGACGTGTTGGCTGCCACACCAGGACTGCAGTTGGAGGAG
GACATTACAGACTCTTACCTACTCATAAGTGACTTTGCCAACCCACGGAGTGTGGGAAATTCCTGTG
GGCCGCTTGAATATGACTGTTTCACTTAGTTAGTAATTTCTTAGGGATGCAGAACCATTTCTAGTCAGG
ACTCTGGTAGAAGAGATCACTGAAGAGCAATATTACATGATGCGGAGATATGAAAGCTCAGCCTCACAT
CCCCACCTCGCCCTCCGAAACACCCCTCAGTAGAGGAAACAAAGTTAACCTGCTAACCTTAGCAGAA
GAAAGGACGGTAGACCTGCCAAGTCTCCAAGGCTGGAGTGCAATGGCGTGATCTTGGCTCGTGCAA
CCTCTGCCTCCCGGTTCAAGCAATTCTCTGCCTCAGCCTCCACGTAGCTGGGATTACAGGCACCCCC
CACCACGTCCAGCGTCATCACGTAGACATAACCAAGAACTTCACCCAAATCAAGCTGGCCTGGATTCA
AAAGTACTGATTGGTAGTCAGAATGATTTGGTGGATGAAGAGAAAAGGAGCAACCGTGGGGCCACA
GCAATAGCAGAAACATTCAAAAATGAAAAACATCAAAAATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001164685  
**Insert Size:** 2043 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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 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:** [NM\\_001164685.1](#)

**RefSeq Size:** 3983 bp

**RefSeq ORF:** 2043 bp

**Locus ID:** 387357

**UniProt ID:** [Q8N1K5](#)

**Cytogenetics:** 6q22.33

**MW:** 77.5 kDa

**Gene Summary:** This gene encodes a protein that plays a regulatory role in both positive and negative T-cell selection during late thymocyte development. The protein functions through T-cell antigen receptor signaling, and is necessary for proper lineage commitment and maturation of T-cells. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2009]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).