

Product datasheet for **SC327609**

THEMIS (NM_001164687) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	THEMIS (NM_001164687) Human Untagged Clone
Tag:	Tag Free
Symbol:	THEMIS
Synonyms:	C6orf190; C6orf207; GASP; SPOT; TSEPA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:	>NCBI ORF sequence for NM_001164687, the custom clone sequence may differ by one or more nucleotides <pre> ATGTTTGGAATGAATGCTGTTTTCAACAGGAGAAGTGATTAATACTGGTCTCAAA GTTAAGAAGATCATAGCTGAAATTTGTGAGCAGATTGAAGTTGTGAGTCTACAGCCA TTTGAAGTGCCTATGAATTTCCAGGTCTTTTAAAGATTGTGGCTGATAAACTCCATAC CTTACTATGGAAGAAATCACAAGGACCATTCATATTGGACCAAGTAGACTAGGGCATCCT TGCTTCTATCATCAGAAGGATATAAACTAGAGAACCTCATATAAGCAGGGTGAGCAA ATCATGCTCAACTCAGTTGAAGAGATTGATGGAGAAATATGGTGAGCTGTGCAGTAGCA AGGAATCATCAAACTCACTCATTTAATTTGCCTTTGTCAAGAAGGAGAATTCTACGAG TGTGAAGATGAACGTATTTACACTCTAAAGGAGATTGTTGAATGGAAGATTCCTAAGAAC AGAACAAGAACTGTAAACCTTACAGATTTTCAAATAAGTGGGACTCAACGAATCCATTT CCTAAAGACTTTTATGGTACCCTGATTCTCAAGCCTGTTTATGAAATCAAGGTGTGATG AAATTTGAAAAGATATAATCCGCATCCTCCCAGTCTAGATGTCGAAGTCAAAGACATC ACTGATTCTTACGATGCTAACTGGTTTCTCAGCTGTTATCAACAGAAGATCTTTTGA ATGACTAGTAAAGAGTTCCCATAGTGAAGTCAAGTCAAGACCTGAAGGAAACAC CTGCCCCAAAGCATTTTACAGCCTGGGAAAACCATTTGTGATCCAAAAAGTACCAGGCA TCAAGAATCTTAGCTTCAGAAATTAGAAGCAATTTTCTAAAAGACACTTCTGTATCCCC ACTAGCTATAAAGGCAAGTTCAAGCGGCGACCGAGGGAGTTCCCAACGGCCTATGACCTA GAGATCGCTAAGAGTGAAAAGGAGCCTCTTCACGTGGTGGCCACCAAGCGTTTCATTCC CCTCATGACAAGTGTATCCGTATCTGTTGGGGACAGTTTCTGGTGCATCAGTCAGAG ACGACTGAAGTCTCTGTGAGGGAATAAAAAAGTGGTGAATGTTCTGGCCTGTAAAAA ATCCTCAAAAAGTCTATGAGGCTGCGTGCTCCCTTTGTACATGGAAGGAGGTTTGTG GAGGTGATTCATGATAAGAAACAGTACCCGATTTCTGAGCTCTGTAACAGTTCCGTTTG CCCTTCAATGTGAAGGTGTCTGTCAAGGATCTTTCCATTGAAGAGGACGTGTTGGCTGCC ACACCAGGACTGCAGTTGGAGGAGGACATTACAGACTCTTACCTACTATAAGTGACTTT GCCAACCCACGGAGTGCTGGGAAATTCCTGTGGGCGCTTGAATATGACTGTTCAAGTTA GTTAGTAATTTCTAGGGATGCAGAACCATTTCTAGTCAGGACTCTGGTGAAGAGATC ACTGAAGAGCAATATTACATGATGCGGAGATATGAAAGCTCAGCCTCACATCCCCACCT CGCCCTCCGAAACACCCCTCAGTAGAGGAAACAAAGTTAACCTGCTAACCTTAGCAGAA GAAAGGACGGTAGACCTGCCAAGTCTCCAAGCGTCATCACGTAGACATAACCAAGAAA CTTCACCCAAATCAAGCTGGCCTGGATTCAAAAGTACTGATTGGTAGTCAGAATGATTTG GTGGATGAAGAGAAAGAAAGGAGCAACCGTGGGGCCACAGCAATAGCAGAAACATTCAA AATGAAAAACATCAAAAA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001164687
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: [NM_001164687.1](#), [NP_001158159.1](#)

RefSeq Size: 3830 bp

RefSeq ORF: 1821 bp

Locus ID: 387357

UniProt ID: [Q8N1K5](#)

Cytogenetics: 6q22.33

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 (3) differs in the 5' UTR, lacks a portion of the 5' coding region, uses a downstream translational start codon, and lacks an alternate in-frame exon in the central coding region, compared to variant 1. The encoded isoform (3) is shorter than isoform 1.