

Product datasheet for **SC301533**

THEMIS (NM_001010923) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	THEMIS (NM_001010923) 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: >OriGene sequence for NM_001010923 edited
TCCACCCCACTCTGGCTGTAGTGTGACATTCTGCCTGCCTGAGGAAGAAATGGTGAGCA
GGGGCTGCAATTGCAGACAAGTGTACCCAGAAGCCACAAGTTTCTGTGAGCACCAGGTC
TACAAACTACCCAAGGCATAGCAATGGCATTATCACTGGAAGAATTCTGTCACCTCCCTTG
ACCTCAGGACCCTACCCAGGGTCTAGAAATCCAGGCAGGCATCTATCTTGAAGGCTCTA
TTTATGAAATGTTGGAAATGAATGCTGTTTTTCAACAGGAGAAGTGATTAATAACTG
GTCTCAAAGTTAAGAAGATCATAGCTGAAATTTGTGAGCAGATTGAAGGTTGTGAGTCTC
TACAGCCATTTGAACTGCCTATGAATTTTCCAGGCTTTTTAAGATTGTGGCTGATAAAA
CTCCATACCTTACTATGGAAGAAATCACAAGGACCATTATATTGGACCAAGTAGACTAG
GGCATCCTTGCTTCTATCATCAGAAGGATATAAACTAGAGAACCTCATCATAAAGCAGG
GTGAGCAAATCATGCTCAACTCAGTTGAAGAGATTGATGGAGAAAATATGGTGAGCTGTG
CAGTAGCAAGGAATCATCAAACCTCACTCATTTAATTTGCCTTTGTGACAAGAAGGAGAAT
TCTACGAGTGTGAAGATGAACGATTTTACACTCTAAAGGAGATTGTTGAATGGAAGATTC
CTAAGAACAGAACAAGAACTGTAACCTTACAGATTTTTCAAATAAGTGGGACTCAACGA
ATCCATTTCTAAAGACTTTTTATGGTACCCTGATTCTCAAGCCTGTTTATGAAATTCAG
GTGTGATGAAATTTGAAAAGATATAATCCGCATCCTCCCAAGTCTAGATGTCGAAGTCA
AAGACATCACTGATTCTTACGATGCTAACTGGTTTCTTACAGTGTATCAACAGAAGATC
TTTTTGAATGACTAGTAAAGAGTTCCTCATAGTACTGAAAGTATAGAAGCACCTGAAG
GAAACCACCTGCCCAAAGCATTTTACAGCCTGGGAAAACCATTGTGATCCACAAAAAGT
ACCAGGCATCAAGAACTTAGCTTACAGAAATAGAAGCAATTTTCTAAAAGACTTCT
TGATCCCCACTAGCTATAAAGGCAAGTTCAAGCGGCGACCGAGGGAGTCCCAACGGCCT
ATGACCTAGAGATCGCTAAGAGTGAAGAGGAGCCTTTTACAGTGGTGGCCACCAAGCGT
TTCAATCCCCTCATGACAAGCTGTCATCCGTATCTGTTGGGACCAGTTTCTGGTGCATC
AGTCAGAGACGACTGAAGTCTCTGTGAGGGAATAAAAAAGTGGTGAATGTTCTGGCCT
GTGAAAAAATCCTCAAAAAGTCTATGAGGCTGCGCTGCTCCCTTTGTACATGGAAGGAG
GTTTTGTAGAGGTGATTCATGATAAGAAACAGTACCCGATTTCTGAGCTGTAAACAGT
TCCGTTTGGCCTTCAATGTGAAGGTGTCTGTCAGGGATCTTTCCATTGAAGAGGACGTGT
TGGCTGCCACACCAGGACTGCAGTTGGAGGAGGACATTACAGACTCTTACCTACTCATAA
GTGACTTTGCCAACCCACGGAGTGTGGGAAATTCCTGTGGGCCGCTTGAATATGACTG
TTCAGTTAGTTAGTAATTTCTCTAGGGATGCAGAACCATTCTAGTCAGGACTCTGGTAG
AAGAGATCACTGAAGAGCAATATTACATGATGCGGAGATATGAAAGCTCAGCCTCACATC
CCCCACCTCGCCCTCCGAAACACCCCTCAGTAGAGGAAACAAAGTTAACCTGCTAACCT
TAGCAGAAGAAAGGACGGTAGACCTGCCAAGTCTCCCAAGCGTCATCACGTAGACATAA
CCAAGAAACTTACCCAAATCAAGCTGGCCTGGATTCAAAAAGTACTGATTGGTAGTCAGA
ATGATTTGGTGGATGAAGAGAAAGAAAGGAGCAACCGTGGGGCCACAGCAGTAGCAGAAA
CATTCAAAAAATGAAAAACATCAAAAAATAACAAGATGTGACAGAAGCCACTTAGGCAGCAA
ACATAAATGTTGCAGTGAAGAAAGAAAGTACGCTTCTAGCTGAAAAACGAGTATTCCTCA
ATGGACTCCAGAAGAACTTGATTTCATCGCTGCAAAGGAAAGAAACAACCTTAAAACTTTT
AACAGATAAAACTTACAGAAACCTATGATATAGAATTCATATAGTCTATTCTGTTGTGTC
TAAATCTGTAGGCATTGTGTTGTTGTTCTTTAGGACGTATTTATTTAACTTGCACATTTT
TTCAGATTCTTATTTCTACTACCAACAATAAGTAATTGGGAAATAATTCTGATTTTCAG
TTTCTGAGTAAAACAGTCTGAAATAGGATAAAAAGCCACCAAAATTTTTCTTTTTTTTCC
AGAATTTGTTTTGCCATTTTTTAGTGCTATCATCATTCTTAACAAGACTAACTTACAGAA
AAATAATTATATCTGACTGATTTAAAATGTTTCAGGTTTCTTATCCAAATCCCTTGGAACT
ATGGAAGGAGTTTGATTTACATTCACAGTGTATTTACAAAATACGCTGTGTCATAAAT
ATGTTTGAATTCACAGCCAAAGCCATTGA

Restriction Sites: Please inquire
ACCN: NM_001010923
Insert Size: 2700 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:	The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_001010923.1.
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:	<ol style="list-style-type: none">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_001010923.1, NP_001010923.1</u>
RefSeq Size:	4039 bp
RefSeq ORF:	1926 bp
Locus ID:	387357
UniProt ID:	<u>Q8N1K5</u>
Cytogenetics:	6q22.33
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the central coding region, compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1.</p>