

Product datasheet for **MC219938**

Themis (NM_178666) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Themis (NM_178666) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Themis
Synonyms:	E430004N04Rik; G; Gasp; Spot; thylex; Ts; Tsepa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219938 representing NM_178666
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCTTTATCTCTGGAAGAATTTGTCTACTCCCTTGACCTGAGGACCCTCCCCAGGGTCTAGAAATCC
 AGTCAGGCATCTACTTTGAAGGGTCTGTTTATGAGATGTTTGGCAATGAATGCTGTCTGTCAACAGGAGA
 AGTGATTAATAATCACCGGTCTCAAAATTAAGAAGATGATGGCTGAAATTTGTGAGGGCGCTATTGGAGGT
 TGTGAGTCTCAGAAGCCTTTTGAGCTGCCCATGAATTTCCAGGTCTCTTTAAGGTCATGGCTGATAAAA
 CTCCATACCTGTCAATTGAAGAAATCACAAGAACCCTTAATATTGGACCCAGCAGACTAGGTCATCCTTG
 CTTTATCACCTGAAGGATATAAACTAGAGAATCTCATTATTAAGCAGGGTGAAGCAATCCGGTTCAC
 TCAGTTGAAGAGATTAATGGAGAACGCTGGTGAATTGTGGTGTGGAAGGAATCATCAGAGCCACTCAT
 TTAATTTGCCATTGTACAAGAAGGAGAAATTTATGAGTGTGAGGATGAACATATCTATACCTAAAAGA
 AATTGTTGAATGGAAGATTCCCAAGAACAGAACACGGACAGTGAACCTTACAGATTTCTCGAATAAGTGG
 GACTCAACCAATCCATTCCAGAGACTTTTATGGTACACTGATTCTCAACCTGTTTATGAAATCCAAG
 GTGTGCTGAAATTTCAAAGGACATAGTCCGATTCTCCCAAGTTTAGACGTTGAAGTCAAAGATATTAC
 TGATTCTTATGATGCTAACTGGTTTCTTCAGTTGCTGTCTACGGACGACCTTTTTGAAATGACCAGCAAA
 GAGTTTCTGTAGTAGCTGAAGTTGTGCAAAATATCTCAAGGGAACACCTGCCCAAGTATTTTGACG
 GAGAGAAAACCATTTGTCATCCACAAAAGTACCAGGCTTCGAGGATCTTAGCTTCAGAAATTCGACAGCA
 TTTCCCTAAAAGACATCTTGATCCCTATTAGCTACAAAGGCAAGTTCAAAGAAGACCACGGGAGTTT
 CCCACGGCCTATGACCTGCAGATAGCTAAGAGCAGGAAAGAACTCTCCACGTGGTGGCCACCAAGCTT
 TCCATACACTTCACAAGGAGCTGTCCCTGTGTCTGTTGGAGACCAGTTTCTAGTGCATCATTAGAGAC
 CACAGAAGTTGTCTTTGAGGGGACAAGAAAAGTAAACGTTCTGACCTGTGAAAAAGTCTCAATAAGACC
 CGTGAAGATGCACAGCTTCTCTATACATGGAAGGAGGTTTTGTAGAGGTGATTGATGATAAGAAACAGT
 ATCAGATTTCCGAGCTCTGTACCCAGTTTTGCTGGCCCTCAATGTGAAGGTGGCTGTGAGAGATCTCTC
 CATTAAAGATGACATTTTGGCAGCTACCCAGGACTTCAGTTAGAGGAGGACATCACAGATTCTTATCTA
 CTTATCAGTGACTTTGCAAACTCTGAGGAATGTTGGGAAATCCCATGAGCCGCTGAATATGACTGTTT
 GACTAGTTAATGGTAGCAGTTTGCCTGCAGATGCAGGGCTACTTCAAGTCAGGAGTTTTGTAGAAGAGAT
 TACAGAAGAACAGTATTACATGATGAGGAGGTACGAAAGTTCTCTATCACATCCCCACCTCGCCCTCCC
 AAACATCCCTCAGCTGAGGAAATGAAGCTCACCTTGCTCAGCTTACGAGAAGAGAGAACAATAAATCTGC
 CCAAGTCTCTCAAGAGTACCATGTAGACAGACCAAGAAGCTTCCCTCAGATGAAAGTGCCAGGATTC
 AAGAGCTCCAGTTGGTTTTGAGAATGATGTGGCTGATGTGGAGAGACAGAAGAGCAAGCATGGGCCACTG
 CAGCCGCAAGCACCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_178666

Insert Size: 1911 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).

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:	<u>NM_178666.6, NP_848781.1</u>
RefSeq Size:	5085 bp
RefSeq ORF:	1911 bp
Locus ID:	210757
UniProt ID:	<u>Q8BGW0</u>
Cytogenetics:	10 A4
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, Mar 2015] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).