

Product datasheet for **MC220281**

Themis2 (NM_001033308) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Themis2 (NM_001033308) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Themis2
Synonyms:	ICB-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220281 representing NM_001033308
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCCGGTGCCGCTGCAGGACTTTGTGAGCGGCCCTGGACCCACCTCCCTTCCGCGCGTGCTGCGGG
 TCTGCTCCGGAGTCTACTTTGAGGGTCCGTCTACGAGCTCTTTGGGAATGAGTGCTGCCTCCACCGG
 GGACCTAATCAAGGTCACTCATGTCCAGCTCCTAAAGGTTGTGTGCGAGTATCCAGAGACGGGTCAGACG
 TTGGAGCTCAACCCCAATTTACAGGCCTCTTACAGCCACTCACCAGCCTGCGAAGCTACAGAACCCTGG
 AGGACCTTGCTCTGCCATGCCCAAGACTCCACCCGGTGGCCATTTACTTCAAGTCAACTCAGAGAAT
 TGTACCAAGGCCAGTGTGGTGCCTGAGGATCAGCCCTCAGACTTGAGGCTGTGAAATACACCATGGG
 ATCCGCTATGCGCGTCCGTCCAGGTCTCAAAGACCAAGGAGCTCCTTCATCTGCCCTTTCCAGAAAGG
 GACCTTCTGGAGATGCAAGCCAGTGTCCACAACTCTGCACCAAATCCTGCAGGACCCAGCTCTGAA
 GGACCTCAGCTCAGCTGCCAGCCTACCCTGGAACCTCGTGATCCTAAAACCCAGTATATGCTCCAA
 GCCATCATGCACATGCGCAGCAGCATCGTCAAGATCCCGTCTACGCTGGAGGTGGAGGTAGAAGACGTCA
 CTGCTTCTCCCAACACATCCACTTCTTCAAACCTTGCAGGCTGAGCGAGGTGTTGGCTGGGGGAGGCC
 CTTCCCTGACCCAGGAGATCCTGGAGGTTCTGAGGGTCCGCCGCTTCTCAGCCCGTGGGTGAGC
 TTCCTACGCAAAGGCCAGAGGCTCTGCATCTATGGTCCAGCTTACCATCCTGGCGGGTGTGGCCTCCA
 GCAAGAGCCGAAAAGTGCCCAGATACTTATGCTCTCTGGGGCTACCAGGGCAAGCTCAAGCGGAGGCC
 CAGGGAGTTCTCCACCGCTATGACCTTTGGGGCTCTCAGCCAGGCCGGCCCTCCGGGTGGTAGCC
 ACAAAGACTGTGATGGGAATGAGGAAGAGAATCCTGACTTTTCTTCTTGGCTGTGGGTGATCGGCTGG
 AAGTGTGAGGTCAGGCCAGGTCTGTGGACCAAAGGCCAGGACATAGATGTCCTGGTATGTCAGCGGCT
 GAGTGAGCAGTCTGGGGAGGAAGAGGAGACTTGGAGGAGATCGAGGACGAGGCAGAGGACAAAGAGCAA
 ATTCTGCTACCCCTCTACCTCTCTGGGAGCTTTGTGGAGGAGGTGAACGACAGCCGACGCTATAACCTAG
 TGGATCTCACGGCCAGTACTCCCTGCCCTGTGAGGTCAAGGTGGTGACCAAGGATACCCGTCACCCAC
 TGACCCCTGGCTTCTTCCCTGGCCTGCGGCTGGAGGAGAAGCTCACAGAACCCTTTTTGGTGGTAAGC
 CTGGACTCCCAGCCAGAAATGTGCTTTGAGATCCCTCCCGTGGCTGGACTGACTGTGGTGGAGGCTG
 AGGGACAGCCAGCCAGGTGGCTCGGCCGTGTCCATCGCTCCGGTGGAGGAAGTGCAGAAGCTTTCTA
 CTACAGCCTCCGGAAGCTGCCAGCCTCTGAGAGCCAAGCCCCCGCCAGGCCCCAAAGACCCAGGGT
 ATCAATAAGAAACAGCAGAACATACAGAGCTGTAAGAGAGCAGTGTAAAGCCTCAAGTTGTAGAACC
 AGAAATCCTGCCGAGCCTCAACTCAAGGCGAAGACCTTGAAGCCCTTCCCAAGAACAATCAATGT
 GTACAGCAAGATTTCTGTCCACAAGAAAGACCGCAAACCCAAACCCCAACACAGAATTCAGTGCTGAGT
 ATGAAGCCAAAACCTCGAGCTCCCTCGGAAGCACTCTACCATGGAGTCACATCTCCTGCCTGACCCGG
 ATATGGATGACCATGACTATGAAGAAATTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001033308
- Insert Size:** 1992 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.

RefSeq: [NM_001033308.2](#), [NP_001028480.1](#)

RefSeq Size: 2542 bp

RefSeq ORF: 1992 bp

Locus ID: 230787

UniProt ID: [Q91YX0](#)

Cytogenetics: 4 D2.3

Gene Summary: May constitute a control point in macrophage inflammatory response, promoting LPS-induced TLR4-mediated TNF production.[UniProtKB/Swiss-Prot Function]