

Product datasheet for **RN217062**

Themis2 (NM_001271480) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Themis2 (NM_001271480) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Themis2
Synonyms:	RGD1561016
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN217062 representing NM_001271480
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCCTGTGCCGCTGCAGGACTTTGCGAGCAGCCTGGACCCCGCTCCCTTCCGCGCTGCTGCGGG
 TCTGCTCCGGAGTCTACTTCGAGGGTTCCGTCTATGAGCTCTTTGGGAATGAATGTTGCCTCTCCACGGG
 GGACCTAATCAAGGTCACCCATATCCACCTCGAGAAGGTTGTGTGTGAGGACCCAGAGACGGGTCAGACG
 TTGGAGCTCAACCCCAATTTACAGGCCTTTACAGCACTCACCAGCCTGCAGAGCTATAGAACCCTGG
 AGGATCTCGTCTCGCCATGCCCGAAGTCCACACAGTGTCCATTTACTTCAAGTCAACTCAAAGAAT
 TGTACGGAGGCCAGGGTGGTGCCTGAGGATCAGCCCCTCAGACTTGAGGCCGTGGAAGTACACCACGGG
 ACCCGCTATGCACGCTGTGTGCAGGCCTCAAAGACCCAGGAGATCATCCTTCATCTGCCCTTTCCAGA
 AGGGACCTTCTGGAGATGCAAGCCAGTGTCCACAAACCCTGTCCAAATCCTGCAGGACCCAGCTAT
 GAAGGGCCTTAGGCTCACCTGCCAGCCTCCCCTGGGCTCTGTGATACTAAAGCCCCAGTACCAGCTC
 CAGGCCATCATGCACATGCGCAGCAGCTCGTCAAGATCCCGTCTACTCTGGAGGTGGAGGTAGAAGATG
 TCACGGCCTCTTCCAGCACATCCAATTCTTCAAACCATTGCGGGTGTGAGCGAGGTGCTGGCCCGGGAGG
 CCCCTTCCCTCTGTCCACGGAGATCCTGGAGGTTCTGTATGGTCCACCCATCTTCTCAGCCCGTGGATG
 AGCTTCTACGCAAAGGCCAGAGGCTTTGCATCTATGGTCCAGCCTCATCACCGTGGCGGTTGTGGCCT
 CAAGCAAGAGCCGAAAAGTTCCAGATACTTCTTGCTCTCCGAGCCTACCAGGGCAAGCTCAAACGGAG
 GCCAAGGGAGTTCACACGGCCTATGACCTTTGGGTGCTCTCCAGCCGGCCCGCCCTCCGGTGGT
 GCCACGAAAGACTGTGATGGGAACGAAGAGGAGAATCCTGAGTTTCTTCTTGGCTGTGGGTGATCGGC
 TGGAGGTGTGAGGTCGGCCAGGTCTGTGGGGCCCAAGGGCAGGACATAGATGTCTTATATGTCAGCG
 GTTGAATGAGCAGTCTGGGGAGGAGGAGGAGGAGGAAGAAGGAAGGGGAGGAGGTAGAGGACAAAGAA
 CAGGTTCTGCTACCCCTCTACCTCTCTGGTAGCTTTGTGGAGGAGGTAATGACAGCCGACGCTATAGCC
 TAGCAGATCTCACTGCCAGTATACCCTGCCCTGTGAGGTCAAGGTGGTGGCCAAAGATCCCATCACCC
 CACTGACCCTCTGACCTCCTTCCCTGGCTTGGCCTGGAGGAGAAGCTCACAGAGCCCTTTTGGTAGTA
 AGCCTGGACTCCAGCCGAAATGTGCTTCGAGATCCCTCCAGGTGGCTGGATCTGACTGTGGTGGAGA
 TTGAGGGACGGCCAGGCCAGGTGGCTGGCCGCTGTCTGTCCCTACGGTGGAGGAACTGTCAGAAGCTTT
 TACTACGGCCTCCGGAAGCTGCCAGTCTCTGGGAACCAAGCTCCTCCGCTAGGCCCCGAAGAAGCAG
 CAGAACACACAGCGCTGTAAAGAGGGTGGCGTAAAGGCTCGAGTTGTAGAACCGAAGCCATCCTGCCAC
 AGCTTGAACGCAAGGCGAAGACCTTGAAGCCTTCCCGCGAACAAGTCAAGTGTGTACAGCAAGATTTT
 TAACAAGAAAGACCACAAATCCAATCCCAAGCACAGAATTCAGTGTGAGTATGAAACCCAAATCCTCG
 AGCTCGCTGGGAAGTACTCCACCACTGAGTCACATCTCCCGCTGACCCAGATATAGATGACCACGACT
 ATGAAGAAATTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001271480

Insert Size: 1974 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: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001271480.1, NP_001258409.1</u>
RefSeq Size:	1974 bp
RefSeq ORF:	1974 bp
Locus ID:	500561
Cytogenetics:	5q36