

## Product datasheet for **RN206490**

### C4a (NM\_031504) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C4a (NM_031504) Rat Untagged Clone
Tag:	Tag Free
Symbol:	C4a
Synonyms:	C4; C4-1; C4b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN206490 representing NM_031504 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCGGCTCTCTGGGGCTGGCCTGGGCATTAGCTTCTTCGCCTCTCTCTGCAGAAGCCAGGTTGC  
TCCTGTTCTCCCCTTCTGTGGTTAATTTGGGACCCCCCTGTAGGGGTGCAGCTCCTGGATGCCCC  
TGCAGGACAGGAGGTGAAAGGCTCAGTGTACCTCAGAAACCAACAAGCGGTCCCTGCTCCCAAAGAAG  
GACTTTAAGCTCAGCTCGGAAAATGACTTTGTGCTTCTCAGACTTGAGGTCCCACTGAAAGATGTGAGGA  
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CACAGCATCCAAAGCCACCGAGACTCAGGGGTCAACCTGCTTTTCTCTTCCCGACGAGGCCACATCTTT  
GTGCAGACCGATCAGCCTATCTATAACCCTGGGCAGCGGGTTCGTATCGGGTCTTTGCACTGGATCAAA  
AGATGCGTCCATCTACTGACACCCTCACGGTCACAGTGGAGAACTCCCATGGCCTCCGTGTACGCAAGAA  
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ATGTCCTTCCCACTTTGAGGTGAAGCTTACTCCTTGAAGCCATATCCTGACAGTGCCTAGCTAGCCG  
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GAGGAGGCGGAGCTCACATCTGGCCCTTCGTGTCTGCTTCTCCTTGGATCTCAGCCACCAAGC  
AGCATCTGTGCCGGGGCCCCCTTCTGCTGCAGGCCCTGGTTCGAGAAATGTCAGGCTCTGAAGCCTC  
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CGAACCGTGGGCATCCCTATGCCTACCTTCTCTACTACTACATGATCATCTCCAGAGGCCAGATCA



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TGGCCATGAGTCGGGAGCCCAGGAGGGCCCTGACCTCCATCTCTGTCTTGGTGGACCATCACCTGGCTCC  
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 CAGCCCGGGGACTGTGAGGGCAAGCTGGAATTGAAGGTGGATGGTGCCAAGGAGTATCGCAATGGAGACA  
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 GACCGCTGGTGGCTGCTGGCCAGCAGCTGGACGATGGCTATTCCACGACCCGTGTCCAGTCATCCAC  
 AGAGGCATGCAGGGGGCTTGGTGGAAACCGATGAGACCGTGGCACTGACCGCCTTTGTGGTATCGCCC  
 TTCACCACGGGCTGGCCGCTTCCAGGACGAGAACTCACAGCAGCTGAAGAAGAGGGTGGAAAGCCTCCAT  
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 ACAGCCTATGCCCTGACTGACCAAGGCTCGGAGGACCTGCGGAATGTTGCCACAACAGCCTGATGG  
 CCATGGCTGAGGAAACAGGGGAAAACCTCTACTGGGGCTCAGCCATTGGCTCTCAGGACAACGTTGTGTC  
 GTCCACCCAGCCCTCGTAATCCCTCAGAACCTGTGCCAGGCCCCAGCCCTGTGGATCGAAACCACA  
 GCCTACGGCTGTACATCTGCTGCTGCGGGAGGGGAAGGGAGAAATGGCTGACAAGGTGGAACCTGGC  
 TCACACACCAGGGAAGCTTCAAGGGGGATTCCGCACTACCCAGGACACTGTGGTCAACCTGGATGCCCT  
 GTCTGCATACTGGATCGCTTACACACCACCGAGGAGAAGGCACTCAATGTGACTCTCAGCTCCATGGGC  
 CGCAATGGGTACAAGTCCACCTGCTACAGTGAACAACCACCAAGTCAAGGGCTGGAGGAGGAGCTGA  
 AGTTCTCCCTGGGCAGCACCATCAATGTGAAAGTGGGAGGAAACAGCAAAGGCACCTTAAAGATCCTTCG  
 TACCTACAACGTCCTGGACATGAAGAACAACAATGCCAAGACCTTCGGATAGAAGTACGGTACAGGC  
 TATGTGGAATATAACAAGGGAGGCCAACGAAGACTATGAATACGACTATGATATGCCAGCCGAGATGACC  
 CCAGTGTCCACTCGCAGCCTGTGACACCCCTGCAGCTGTTTGGGGTGTGCGAGCCGCCGAGGAGGGA  
 GGCCCCAAGGCTGCGGATGAGCAGGAGTCCAGAGTGCAGTACACCGTGTGCATCTGGCGGAACGGTAA  
 CTGGGGCTGTCTGGGATGGCATTGCTGACATACCCCTCCTGAGTGGATTCCAAGCCTGAGGGCCGACC  
 TGGAGAAGCTGACCTCCCTCTCTGACCGTTACGTGAGTCACTTTGAGACCGACGGGCCCCACGCTCTACT  
 ATACTTTGACTCGGTCCCGACACCCGGGAGTGTGTGGGCTTTGGAGCCTTGCAAGGAGTGGCCGTGGGG  
 CTGGTGCAGCCAGCAGTGTCTATATGACTACTACAGCCCTGATCACAAGTGTCTGTGTTCTATG  
 CTGACCCACCAAGAGCAAGCTCCTCTCCACCTTGTGCTCTGCAGACGTCTGCCAGTGCCTGAAGGGAA  
 GTGTCCTCGACAGCGAAGGTCACTGGAGCGAGGGTGGAGGACAAGGATGTTACCGGATGAAGTTCGCC  
 TGCTATTATCCCGAGTGGAGTATGGCTTCCAGGTTAAGGTTCTCCGAGAAGACAGCAGAGCTGCCTTCC  
 GCCTCTTTGAGACCAAGATCACCAAGTCTGCATTTCAAAAGGATGCCAAGGCCTCCATAGGTCAGAC  
 CCGCAACTTTCTGGTCCGGGCTCTTGGCCCTTCGTTTGGAGCCTAGCAAAGAGTACTTAACTATGGGG  
 ATGGACGGAGTACCAAGTACCTCAAGGGAGACCCCAAGTACTTGTGGACTCAAATACTTGGATCGAGG  
 AGATGCCATCTGAGCGCCTGTGCAGGAGACCCGTGAGCGGCAGCCTGTGGCCAGCTCAATGACTTTCT

GCAGGAGTACAGCAGCCAGGGGTGCCAGGTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Sgfl-MluI
<b>ACCN:</b>	NM_031504
<b>Insert Size:</b>	5214 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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).</p>
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_031504.3</a> , <a href="#">NP_113692.2</a>
<b>RefSeq Size:</b>	5377 bp
<b>RefSeq ORF:</b>	5214 bp
<b>Locus ID:</b>	24233
<b>UniProt ID:</b>	<a href="#">P08649</a>
<b>Cytogenetics:</b>	20p12
<b>Gene Summary:</b>	complement protein, part of the classical activation pathway; localizes to the class III region of the MHC [RGD, Feb 2006]