

Product datasheet for **MC219464**

C8a (NM_146148) Mouse Untagged Clone

Product data:

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|--------------------|--------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | C8a (NM_146148) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | C8a |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >MC219464 representing NM_146148
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTTGTGGTTGCTTTCTTTGGCTTGTCTTTGGTGGCATGGCACCTGGGGTAAGTGCACAAGAGAAGG
 TGAACCAGCGGGTCACCCGAGCTGTGACCCCGCAAGCAGTGTCTGTGAGTTGAGTGACTGGTACAATG
 GACAGATTGTTTTCCATGTCAGGATAAAAAAGTACCGATACCGGAGCCTCTTGACAGCCAAGCAAGTTTGA
 GGAACCATCTGCAGTGGTGATATCTGGGATGAGGCCAGCTGTGACAGCCCCACACCTTGTCTAAGGCAAG
 CACAGTGTGGACAGGATTTCCAGTGTAGAGAGACAGGTCGCTGCCTGAAACGCCACCTGGTGTAAACGG
 AGATAACGACTGCCTGGATGGCTCTGATGAGTCCGACTGTGAAGATGTCAGGGTCACTGAGGATGATTGC
 CATCAGTATGAACCAATCCAGGATCAGAAAGGGCAGCCTTGGGGTACAACATCTGACTCAAGAGGAAG
 CTCAGAGTGTTCAGATGCTAAGTATTATGGGGCCAGTGTGAACTGTGTACAATGGAGACTGGAGAAA
 GCTGCGGTACGACCCACCTGTGAGCGCCTCTACTATGGGGAGGATGAGAAATACCTTCGGAAGCCCTAC
 AACTTCCTTAAGTACCCTTTGAAGCCCTGGCGGATACTCAATCTCCTCAGAGTTTATGATGATGCGA
 ATGATCTTTTTTTTACATAAAAGATGGCAAGTCCCACTCAGCTGGTGTAAACGTTGGCGTAGCCCCAGT
 AAAAAGTCTGTCTCAATAGAGGTGACTGGATCCGGGTCCAAAGCATCTTCATTCTGAACAAGTTAAAC
 AAGTATAATGAGAAGAGATATGGCTTATGAGAGTGTCTACAAAGATACAGACTGCACAGTTAAGATGA
 GAAGGAACAATATTGTGCTGGATGAAGGAATGCTGCAGTCATTAAATGGAGCTCCCAGAGCAGTTCAACTA
 TGGCATGTACGCCAAGTTCATCAATGACTATGGCACCCACTACATCACCTCTGGAACCATGGGTGGCATT
 TATGAATATGTTATGGTCTTGACAAAGAGAAAATGAAACTGAAGGTAAGTACTACTGTGGATGAAGTCCAAA
 AATGCATTGGCGGTGGCATTGGCATAGGAATTAAGGATAGTACAATTGAAGGAGTAGGTATATCAGGAGA
 GTTTTGTGAAAACCTCTGGAGATGGTGACCGTGACATAAGGAAGAAAATCACAGGAGTGGAGGACATCATT
 TCTCGGGTGCAAGGTGGAAGTTCTGTCTGGGGCAGTGTCTTGACACACAACAGCAGTGCCATTACATATC
 AGTCTGGGGGAGATCGTTAAAGTATAACCCTGTTGTTATCGATTTTGGAGATGCAGCCTATCTACCAGCT
 ACTGCGGCACACAAACTTGGGACCCCTGGAGACGAAACGTGAGAACCTGCGACGGGCTTTGGACCAGTAC
 CTGATGGAATTTAATGCCTGTGTTGTGGGCCCTGCTTCAACAATGGGGAACCCATACTTGACGGCACCA
 ACTGCCGTGTGAGTGTAGTATGGGCCGGCAGGGCCTGGCCTGTGAACGCACGGTGTAGAGGGGCTCAA
 AGACTTCAAAGCCGCTGGCCACTGGAGTGTCTGGAGTTCTGGTCAAGTGCAGAGGAGGTTCCAGGAG
 AGGAGGAGACAGTGCAACAACCCACCACCAAGAATGGAGGTACCCCATGCTAGGGAGGAACCTGCAGA
 CCCAGGCCTGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_146148
- Insert Size:** 1764 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_146148.2](#), [NP_666260.1](#)

RefSeq Size: 3636 bp

RefSeq ORF: 1764 bp

Locus ID: 230558

UniProt ID: [Q8K182](#)

Cytogenetics: 4 C6

Gene Summary: This gene encodes the alpha subunit of complement component C8 that participates in the assembly of the complement membrane attack complex. The encoded preproprotein undergoes proteolytic processing to generate the alpha subunit, which associates with the beta and gamma subunits to form a trimeric complement component, C8. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing. This gene is located adjacent to the gene encoding the beta subunit. [provided by RefSeq, Oct 2015]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).