

Product datasheet for **RN216962**

C8b (NM_001191759) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C8b (NM_001191759) Rat Untagged Clone
Tag:	Tag Free
Symbol:	C8b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216962 representing NM_001191759
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGACAGGGGCCAGGTTTGGAGGGCACTGGCAAAGTCATGTCTTCTTTGTGCTGCCCTTGGATGTC
 TCCATCTCCCTGGTGCAAGAGGTGAGAAGCCAGATTTCTTTGAGACAAATGCAGTCAATGGAAGCCTTGT
 TAGGAGCAGACCAGTACGGAGTGTGGATGTCACCCAGCACCTACTGACTGTCAACTATCCACCTGGTCC
 TCCTGGACTGCATGTGACCCCTGTGAGAAGAAAAGGTACAGACACACTTACTTGTCCGGCCCTCTCAGT
 TCTATGGGAACTGTGTGACTTCTCCGACAAGGAAGTTGAAGACTGTGTTACCAACCGAGCCTGCAGAAG
 TCAAGTACGATGTGAAGCTTTGTGTGCACAGACAGGGAGGTGTGAATCGCAGACTCCTCTGCAAT
 GGAGACAATGACTGTGGAGACCAATCAGATGAAGCCAAGTGTAGGAGGATTTATAAAAAATGCTCACAGG
 ATATGGAACAGTACTGGCAATTGGCAATCTGGCCAGCGGGATAAATCTGTTACGAACACTTTTGAGGG
 CCCAGTCTCGATCACCGGTATTATGCTGGCGCTTGTCTCCCCACTACATCCTGAACACCAATTTTAGG
 AAGCCATACAACGTAGAGAGCTACACCCACAGACCCAAGGCAAATATGAATTTGCACTTACAGAATATG
 AATCCTATTTGATTTTGAACATAATGTGACAGAAAAAGCAACCAGCAAGTCTAGTTTCAAGTTTGGTTT
 TAAACTGGATGGCCTGGTTGAGTTTGGAGTGAGAAAAAGAAAGCAACGAGGGCAGACATTACATTAGCAGA
 ACCAAACGGTTCTCCACACTAAAAGCAAGTTTCTGCACGCGCGCTGTCTTGAAGTGGCGCATTACA
 AGCTGAAGTCCAGACAGCTCATGCTCCATTACGAATTCCTTCAGAGGGTCAAGAGCCTGCCCTGGAGTA
 CAGCTATGGAGAATACCGAGATCTCCTCGTGACTTTGGGACCCATTTTCATCACCGAAGCCGTGCTTGGG
 GGCATCTACGAGTACACGCTTATCATGAACAAAGACGCCATGGAGCGAGGAGATTACACTTGGACCATG
 TTTGAGCCTGTGCCGGAGGAGTTTCCAGATTGGTGGTAACGCTATAAAGTCTACCTCAAATTTGGGTGT
 GTCGAAAAAGAAATGCAGTGACATTCTGAATGAAATCAAAGACAGAAATAGAGACGCACCATGGTAGAA
 GACTTGGTAGTTCTGTGCGAGGAGGGACAAGTGAAGTACATCACCTCCTTGGCATACAAGGATCTGCCAA
 CAGCAGAGCTGATGAAGGAATGGGGCGATGCTGTGCAAGTACAACCCAGCCATCATCAAGCTCAAGGCTGA
 GCCCTGTATGAACTTGTGACAGCCACAGACTTTCGCTACTCCAGCAGAGTAAACAGAACATGAAGAAG
 GCCCTAGAAGAATCCAGATGGAGGTGAGTCTGCGCTGTGCTCCGTGCAGGAACAATGGAGTCCCCA
 TCCTGAAAGAATCCCGTGTGAGTGCATCTGCTGCTGGCTTCCAAGGTGTAGCCTGTGAGGTACCCAA
 TCGGAAAGATATCCCATAGATGGGAAGTGGAGTTGCTGGTCTGACTGGTCTCCATGCTCTGGAGGACGC
 AAAACAAGACAAAGGCAGTGCAACAACCCGGCACCTCAGAGAGGAGGCAGCCCTGCTCAGTCTGCTT
 CAGAAACACTCGACTGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001191759

Insert Size: 1770 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:

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_001191759.1](#), [NP_001178688.1](#)

RefSeq Size: 2395 bp

RefSeq ORF: 1770 bp

Locus ID: 313421

UniProt ID: [P55314](#)

Cytogenetics: 5q34

Gene Summary: one of three subunits of the component 8 (C8) of the complement cascade for immune response; important for formation of the Membrane Attack Complex [RGD, Feb 2006]