

## Product datasheet for **MC219449**

### **C8b (NM\_133882) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	C8b (NM_133882) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	C8b
Synonyms:	4930439B20Rik; AI595927
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219449 representing NM\_133882  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAGATAGGGCTCAGTTTGGAGGGCACTGGCAAAGTCGTGTCTCCTCTGTGCTACTCTGGGATGTC  
 TCCATTTCCCTGGTTCCAGAGGTGGGAAGCCGATTTCTTTGAGACAAAGGCAGTCAATGGGAGCCTTGT  
 CAAGAGCAGACCAGTACGGAGTGTGGCGAAGCCCCAGCACCTATTGACTGTGAGCTATCCACCTGGTCT  
 TCCTGGACTGCATGTGACCCCTGTGAGAAGAAAAGGTACAGACATACTTACTTGTCCGGCCCTCTCAGT  
 TCTATGGGGAATTGTGTGACTTGTCCGACAAGGAAGTTGAAGACTGTGTTACCAACCAACCTGCAGGAG  
 TCAAGTACGATGTGAAGGCTTTGTGTGCACAGACAGGGAGGTGTGAATCGCAGACTCCTTTGCAAT  
 GGGGACAAATGACTGTGGAGACCAATCAGATGAAGCCAAGTGTAGGAGGATTTATAAAAATGTCAACGGG  
 AGATGGAGCAGTACTGGCAATTGACAGGCTGGCCAGTGGGATAAATCTGTTACAAAACACTTTTGAGGG  
 CCCAGTTCCTCGATCACCGGTATTATGCTGGTGGATGCTCCCCCACTACATCCTGGACACCAACTTAGG  
 AAGCCATACAACGTAGAAAGCTACACCCACAGACCAAAATGTGAATATGAATTCACACTACAGAATATG  
 AATCATATTAGATTTTGAACGTCTAGTGATAGAAAAGAAAACCCACATGTTAATTTACGCTCTGGTTT  
 TAAAGTGGATGGCGTTATGGATCTTGGAAATAAGTAGAAAGCAACGAAGGCAAAAATATGTGACCAGA  
 ACCAAACGCTTCGCCCACTCAAAGCAAGTTCCTCCACGCGCGCTCTGTCTTGAAGTGGCACATTACA  
 AGCTGAAGTCTAGAAGCCTCATGCTCCATTATGAATTCCTTCAGAGGGTCAAGAGCCTGCCCTGGAGTA  
 TAGCTATGGGGAATACCGAGATCTTCTCGTGACTTCGGGACCCATTTCACTGAAGCCGACTTGGG  
 GGCATCTACGAGTACACGCTTATCATGAACAAAGACGCCATGGAGCAAGGAGACTACACTTTAGCCATG  
 TTACTGCCTGTGCTGGAGGAAGTTTCGGTATTGGTGGTATGGTCTATAAAGTCTATGTCAAAGTGGGCGT  
 TTCCGCAAAGAAATGCAGTGACATTATGAAAGAAATCAACGAAAGAAATAGAGGAGCACCATGGTAGAA  
 GACTTGGTAGTTCTTGTGAGAGGAGGGACAAGTGAGGATATCACTGCCTTGGCATACAAGGAGCTACCAA  
 CCCCTGAACTGATGGAGGCATGGGGCGATGCTGTGAAGTACAACCCAGCAATCATTAAGTCAAGGCTGA  
 GCCCTGTATGAGCTTGTGACAGCCACAGACTTGCATACTCCAGCACAGTGAAGCAGAACTTAAAGAAG  
 GCACTAGAAGAATTCCAGAGTGAAGTCAAGTCTGCTGCTCCTTGCAGAGGGAATGGAGTCCCTG  
 TCCTGAAAGGATCCCGTGTGAGTGCATCTGCCCGTGGCTTCAAGGCACAGCCTGTGAGGTTACCTA  
 TCGGAAAGACATCCCATAGATGGGAAGTGGAGTTGCTGGTCTGACTGGTCTGCATGCTCTGGAGGACAC  
 AAAACAAGACACAGGCAGTGCAACAATCCAGCCCTCACAAAGGAGGCAGCCCTGTTGGGTCCTGCTT  
 CCGAAACACTCAACTGT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_133882
- 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).
- 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\\_133882.2](#), [NP\\_598643.1](#)

**RefSeq Size:** 2239 bp

**RefSeq ORF:** 1770 bp

**Locus ID:** 110382

**UniProt ID:** [Q8BH35](#)

**Cytogenetics:** 4 48.61 cM

**Gene Summary:** This gene encodes the beta 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 beta subunit, which associates with the alpha 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 alpha subunit. [provided by RefSeq, Oct 2015]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform 1).