

Product datasheet for **MR209183**

C8b (NM_133882) Mouse Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>MR209183 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGATAGGGGCTCAGGTTTGGAGGGCACTGGCAAAGTCGTGTCTCTCTGTGCTACTCTGGGATGTC
 TCCATTTCCCTGGTTCCAGAGGTGGGAAGCCGATTTCTTTGAGACAAAGGCAGTCAATGGGAGCCTTGT
 CAAGAGCAGACCAGTACGGAGTGTGGCGGAAGCCCCAGCACCTATTGACTGTGAGCTATCCACCTGGTCT
 TCCTGGACTGCATGTGACCCCTGTGAGAAGAAAAGGTACAGACATACTTACTTGTCCGGCCCTCTCAGT
 TCTATGGGGAATTGTGTGACTTGTCCGACAAGGAAGTTGAAGACTGTGTTACCAACCAACCTGCAGGAG
 TCAAGTACGATGTGAAGGCTTTGTGTGCACAGACAGGGAGGTGTGAATCGCAGACTCCTTTGCAAT
 GGGGACAAATGACTGTGGAGACCAATCAGATGAAGCCAAGTGTAGGAGGATTTATAAAAATGTCAACGGG
 AGATGGAGCAGTACTGGCAATTGACAGGCTGGCCAGTGGGATAAATCTGTTACAAAACACTTTTGAGGG
 CCCAGTTCCTCGATCACCGGTATTATGCTGGTGGATGCTCCCCCACTACATCCTGGACACCAACTTAGG
 AAGCCATACAACGTAGAAAGCTACACCCACAGACCAAAATGTGAATATGAATTCACACTACAGAATATG
 AATCATATTAGATTTTGAACGTCTAGTGATAGAAAAGAAAACCCACATGTTAATTTACGCTCTGGTTT
 TAAAGTGGATGGCGTTATGGATCTTGAATTAAGTAGAAAGCAACGAAGGCAAAAATTATGTGACCAGA
 ACCAAACGCTTCGCCCACTCAAAGCAAGTTCCTCCACGCGCGCTGTGCTTGAAGTGGCACATTACA
 AGCTGAAGTCTAGAAGCCTCATGCTCCATTATGAATTCCTTCAGAGGGTCAAGAGCCTGCCCTGGAGTA
 TAGCTATGGGGAATACCGAGATCTTCTCGTGACTTCGGGACCCATTTTCATCACTGAAGCCGACTTGGG
 GGCATCTACGAGTACACGCTTATCATGAACAAAGACGCCATGGAGCAAGGAGACTACACTTTAGCCATG
 TTAAGTGTGCTGGAGGAAGTTTCGGTATTGGTGGTATGGTCTATAAAGTCTATGTCAAAGTGGCGCT
 TTCCGCAAGAAAATGCAGTGACATTATGAAAGAAATCAACGAAAGAAAATAGAGGAGCACCATGGTAGAA
 GACTTGGTAGTCTTGTGAGAGGAGGGACAAGTGAAGATATCACTGCCTTGGCATACAAGGAGCTACCAA
 CCCCTGAAGTGTGGAGGCATGGGGCGATGCTGTGAAGTACAACCAGCAATCATTAAGTCAAGGCTGA
 GCCCTGTATGAGCTTGTGACAGCCACAGACTTTCATACTCCAGCACAGTGAAGCAGAACTTAAAGAAG
 GCACTAGAAGAATTCCAGAGTGAAGTCAAGTCTGCTGCTCCTTGCAGAGGGAATGGAGTCCCTG
 TCCTGAAAGGATCCCGTGTGAGTGCATCTGCCCGTGGCTTCAAGGCACAGCCTGTGAGGTTACCTA
 TCGGAAAGACATCCCATAGATGGGAAGTGGAGTGTGCTGGTCTGACTGGTCTGCATGCTCTGGAGGACAC
 AAAACAAGACACAGGCAGTGAACAATCCAGCCCTCACAAAGGAGGCAGCCCTGTTCCGGTCTGCTT
 CCGAAACACTCAACTGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209183 protein sequence
 Red=Cloning site Green=Tags(s)

MKIGAQVWRALAKSLLCATLGCLHFPGRGGKPDFFETKAVNGSLVKSPPVRSVAEAPAPIDCELSTWS
 SWTACDPCQKKRYRHTYLLRPSQFYGELCDLSDKEVEDCVTNQPCRSQVRCEGFVCAQTGRCVNRLLCN
 GDNDCGDQSDEANCRRIYKNCQREMEQYWAIDRLASGINLFTNTFEGPVLDRHYVAGGCSPHYILDNFR
 KPYNVESYTPQTKCEYFTL TEYESYSDFERLVIEKKTHTMFNFTSGFKVDGVM DLGKVESNEGKNYVTR
 TKRFAHTQSKFLHARSVLEVAHYKLSRSLMLHYEFLQRVKSLPLEYSYGEYRDLLRDFGTHFITEAVLG
 GIYEYTLIMNKDAMEQGDYTL SHVTACAGGSFGIGGMVYKVVYKVGVS AKKCS DIMKEINERNKRSTMVE
 DLVVLVRGGTSEDITALAYKELPPELMEAWGDAVKYNPAIIKIKAEPLYELVTATDFAYSSTVKQNLKK
 AL EEFQSEVSSRCAPCRNGVPLKGSRCECICPGGFQGTACEVYRKDIPIDGKWSCWSDWSACSGGH
 KTRHRQCNNPAPHKGGSPCSPASETLNC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_133882

ORF Size: 1770 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

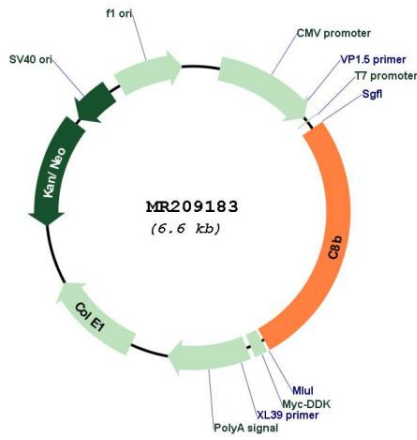
UniProt ID: [Q8BH35](#)

Cytogenetics: 4 48.61 cM

MW: 66.2 kDa

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]

Product images:



Circular map for MR209183