

Product datasheet for **MR209584**

Fam193b (NM_001162881) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam193b (NM_001162881) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam193b
Synonyms:	IRIZIO; Kiaa1931
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209584 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCAAAGCTCGTCAAGAATCTCTAGGCGAGATGCCTCTGTGGTCTGCCAGAGCTGCCGAAAGAGCA
 TGGAGGAGGAGGAGAGGCAGACAGGTGGAGACCATGCAGTGGCGATCTCCTTGTCACACACATCCTGCAA
 ATCACAGTCTTGTGGGGTACTCTCATTATCCTCGTCTCTTTCATCATCCTCATCTTCTCCTCCTCT
 TCTGCCATGGAACTCAGGGGACTGGATCCCAGCTCGTTCTGTGACACATAAGCTCTCAGGCTCT
 GGAATCCCACACTCCAGCGGGCTGTGCCAGGAGCTCGTTGGGAGTCTCCTGCCATCCTTGGTGA
 GGCTTTCCCTGTCTGGAGCACCACCAGCACTCAGACCTACTGCTCCCCAACAGCCCCACTGGTCT
 CCCCCCACCAGCATCTCTGATTCCTTCTCACCTGGTCTTTCAGCTCGGCTCTACCCACCCCGC
 TGCCACCACCCAGTGGCACCTTCCCGCTCAGGCTTTCAGAGTCCCTATGGTGTGCCACTGCCAC
 CCACCCCTCGGGCCATGTCAGAGCCCTCATCCGCCCTCACCAGCATGCCACTCTGAAGATGCCTCCA
 CCACTCTCGGGTGCAGCCACCCCTGCAGCGGGCACTGCAGCGGGCACTGTGGTGGTCTCTTCTCCAC
 CACCGAGCTCTCAGCCGCTCCCTAGCACTCACAGCAGGGACCCTGGGTGAAGGGGCACAAATTTGCACA
 CAGTGGCTGGCCTGTGAGGCAGATGAGGGTCTGGGCGAGGAAGAGGATAGCAGCTCTGAGCGCAGCTCT
 TGCACCTCGTCTCCACCACCCCGCATGGGAAGTTCTGTGACTGCTGCTACTGTGAGTTCTTCCGGC
 ACAATGCGCCACTCGTGCCTGACGAGCCGGAATTAATACTGAGATCCGGGAGAAGCTCCGCTCAAGGT
 GACCAGGCGAAAGAGGAGCTGCCATGAAGGGGGCACCTGGGCGGATCCCTGGGAGCCTGCGGTG
 GACCACCGAGATGTGGATGAGCTGTGGAATTCATCAACAGCAGGAGCCAAAGTCCCCAACAGCGCCA
 GGGCTGCCAAGCGGGCCCGGCACAAGCTGAAAAGAAGGAAAAGAGAAGGCTCGTTGGCCACAGAAGC
 TCTGAAGCAGGTGAATCGTGTTCGAAAGCCAGGAGCCAAAGGCTGCCAGGGAGAGGCTCCTAGAGTGG
 CCTGACCAGAACTGGACCGCTCAATAGCTTCTTGTGAGCAGCGCTTGCAGGAGATCAAGAGCACTGTCA
 AGGACTCCCTCTGTGCCAGCCTGAGTATGTGTGAGCTCAGCGTGGAGAGCAGTGGGTTAAGGAGGGGAC
 TGTGGAAGCTCAGACCCTCACTCCTCAGACCTCAGTGGCTCTCTCAGAAACGGCTGACATCAACCTT
 GACCTGTCCCCTTTGACCTTGGGTTCCCTCAGAGCCACAGTTACAAGCCCCAAGTGAACAGTCCCAC
 CTTGGGCAGAAAGGAGAGACCCTACCCACCACCATGGACAGAGGTGAGGGGCCACCTCCTGGTATCCC
 TGAGAATGGCTTGTGAGAAGACTCAACTGTGCCAACCTGTCCAGGGTATCTGGGTCAAGACCC
 AAGCCAGCAACCAAGCTCTGAGGAAAGTTCAAAGGAAGTCCAGTTGCAAACAGGAATATCTGAGC
 CTGTGGCCACAGGTGAAAGCCAAAAAGAGCAAGAGACAGGGAAGTCAAGCAAAGAACTTTGGCAAG
 TCCAGCCCTGGTACCAGCAATCTAGAGGCTTCCGGTCCAAGAGCCAGGTATCTAGCCCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

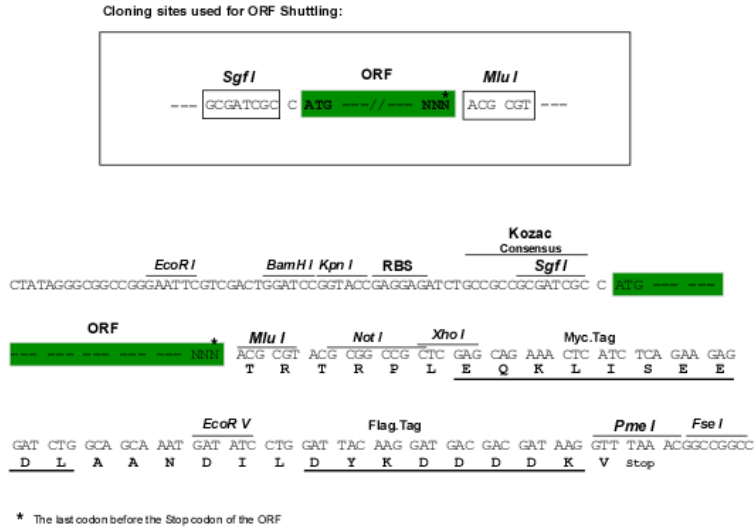
>MR209584 protein sequence
 Red=Cloning site Green=Tags(s)

MPKLVKNLLGEMPLWVCQSCRKSMEEERQTGGDHAVAIISLHTSCKSQSCGGDSHSSSSSSSSSSSSSS
 SCHGNSGDWDPSSFLSAHLKSLWNSPHSSGAVPGSSSLGSPAILGEAFPVSEHHQHSDLTAPPNSPTGP
 PPHPASLIPSHPGSFSSASYPPPLTPPVAFPQAQASECPMAAATATHPSGPCQSPHPPSTSMPLLKMP
 PLSGCSHPGSHGCSHGCGPLLPPSSQPLPSTHSRDPGCKGKFAHSLGLACEADEGLGEEEDSSSERSS
 CTSSTHPRDGKFCDCCYCEFFGHNAFLAAPTSTRNYTEIREKLRSLTRRKEELPMKGGTLGGIPGEP
 AVDHRDVELLEFINSTEPKVPNSARAARKRARHKLKKEKEKARLATEALKQVNRVSGSQEPRPARELLE
 WPDQELDRVNSFLSSRLQEIKSTVKDSLCAFLSMCELVESSGFKEGTVEAQTLPDLSGSSQKRPDINL
 DLSPLTLGSPQSHLQAPSEPVPWAERDPHPPWPTEVRGPPGIPENGLVRRNLNTPNLNRVIVWKT
 PKGNPSSSEESKEVPSCKQELSEPVATGGKPKKSKRQGSQAKKTLASPAPWSPANLEASGAKSQVSSPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001162881

ORF Size: 1890 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_001162881.1](#), [NP_001156353.1](#)

RefSeq Size: 4356 bp

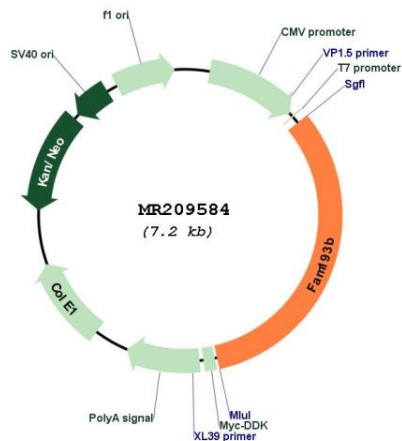
RefSeq ORF: 2337 bp

Locus ID: 212483

Cytogenetics: 13 B1

MW: 66.8 kDa

Product images:



Circular map for MR209584