

Product datasheet for **MR208581**

Fam196b (NM_001025382) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Fam196b
Synonyms:	EG574403; Gm6041
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR208581 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGC

ATGGCCCGACAAAGTATGAAAGTGAGGCTGTGCTCCTAAAGCGAAGCAGCCTTGAGTCTGTGGAGCTTG
 TGAAACAACCGCACCACCGCAGGAGCAAAATCGCAGCAAGTGCATTCAAGGAAGATGGCAACATTAAGAA
 TCCAATGGCGTGACCGAGGTCAACACCCAAACCCCGAAGACCCAGGTGAATGGGGAAGGCACAGGCC
 TCCAGGCACCATCATCTACCACCTACTCGCTGTCTTTCCCGAGGTCCACAAGGCAGGAGGATTCGCA
 GCATCTCCATCCAGACCTCCCCAGTCTCAGGAAGCATTTCCTCGTTTTCAAAAGGAAGAACTCACGAC
 TAGCAAGTCCCTGGTGGAATGCCAACAGCATCCCCAAGTGCCATCCAGGTCAACGGCAACCTATCTGAA
 CAGGATATTGTGCTCTGACCTTGCTTCTGAGGCTGGCTCAGCATCTTGAGGATGGGCTCGCAGGC
 TCAAAATCCCCACCCATTCTCCCTAGGATGCCAAGGTGCAAAGCAATGGGCTGTGAGTCTGCTT
 AGAATCTGGGACTTGGATGTCTCAGAGAAAGCCACAGCTGCTATTCAGGTTCCAGATGATATTTGTAC
 AGTCCAACTGGGAAGCTAGAGAGTCGGCTCTCAGCCAGAAAGCTCAGCTGAAGAGAGCAACTCTATAC
 CTGCTTTGATCTCCATGTGTCCAGGGGATGGGCAAGAGTGATGACGTCAGAGCTGGAAGAATGCCCC
 CTGCTCAAAATACCAATAGCAGTGCCAGTAATATGCCGGGCACAGAAAACCTCACACCCGAATTGCTTTT
 CCCAAGACAACCTGATGACAAAGACCTTGGCCTTCCATCATCTCAGTCAAAGAAGATGTGTGTTCCCT
 CACCACCACGACTCACAGTTGCGCTGAGCCAGGCTCCCGTAGCCAGCCAGTCCACCTAGGAAGATCTTC
 TGATTGCCAGCCTCAGGTGACAATCACCAGGACCTGGAGTCACTCAGAAGTAGCAGTGCATCCAAGTCT
 GTCCCTGTGTGCTGGGAACATGTGACAAAGCTCCCGAGCCAGTCAAGACCCAGAGCTTCAAGTGGTG
 TTGGAAGTGAGCAACTCCCTGCCTCGATTCCAAGGCAGGAGAACAGAGCTCAGAGCAGCAGGAGATAGG
 TGGGAGTAATCACAGTCACCTGGCGCAGGAGAGCTCTGTGACCTCCAAGGCCGGCTGCAATCAGTAGAG
 GAATCGCTGCACTCAAACCAAGAGAAAATTAAGTCTATTGAATGTGATTGAGGATCTGGAGAAAGCTC
 ACGCTCTCACTGAAGGGCGGAACCTTCTATCGGACTGGCAAGATCTCAACAACTGCAGCACCTGCCAGAA
 CACAGCATGCATCATATACAGTGTAGAGTATGATTTCCGGCAGCAGGAAGGCAGGTTCCATGAGGTTCTC
 CAGAGTCTGGAGGAGGAGCAACCAACTGAGGAAGCACCTTCGCCACCCAAATCCCCAGCAGAAGCCCGG
 TCCCCGAGAAACAGGACTTACGGCGAAGAGCAAGAAGGTGAAGAAGAAATGTTTCTGGTGGATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR208581 protein sequence
 Red=Cloning site Green=Tags(s)

MAQQSMKVRPVLKRSSLESVELVKQPHHRRSKSQVRFKEDGNIKNPTGVTEVNTQTPEDPGVMGKAQA
 SRHHHPTTYSLSFPRSHKAGGFRSISIQTSPSLRKHFVFKRKLTTSKSLVEMPTASPSAIQVNGNLSE
 QDIVSSDLAFLRLAQHLEDGPRRLKIPHPFLPRMPKVQSNQPVSFCLSGTWMSSEKATAAIQVPDDICH
 SPTWEARESALSPSSAEESNSIPALISMCPGDGQVRMTSELERMPPCSNTNSSASNMPGTEKLTPPELL
 PKDNPDDKDLGLPSSQSKKMCVPSPRTHSSPEPGSRSPVHLGRSSDCPASGDNHQDLESLRSSASKS
 VPVCWEHVTKLPSQSDTPELQTGVGSEQLPASIPRQENRAQSSREIGGSNHSILAQGELCDLQGRQSV
 ESLHSNQEKIKVLLNVIQDLEKAHALTEGRNFYRTGQDLNNCSTCQNTACIIYSVEYDFRQGEGRFHEVL
 QSLLEEAPTEEAPSPKSPAEPVPEKQDLRRKSKVKKKCFWWI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001025382

ORF Size: 1605 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:

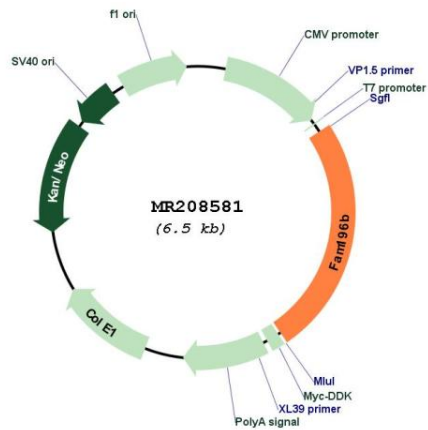
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001025382.2](#)

RefSeq Size: 5371 bp

RefSeq ORF: 1608 bp
Locus ID: 574403
UniProt ID: [Q6GQV1](#)
Cytogenetics: 11
MW: 59.1 kDa

Product images:

Circular map for MR208581