

Product datasheet for **MR209529**

F11 (NM_028066) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	F11 (NM_028066) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	F11
Synonyms:	1600027G01Rik; AI503996; Cf11; FX; FXI; PTA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209529 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCTCATTACATCAGGTGTTATATTTTATCTTTTTGCCTCAGTTTCTAGTGAATGCGTTACTAAGG
 TCTTCAAAGACATCAGCTTTCAAGGAGGTGACCTGAGTACTGTTTTACACCCGAGCGCCACATACTGCCG
 CTTGGTCTGCACTCACCACCCACGGTGCTTCTTACGTTTCATGGCTGAGTCACTTCGGATGATCCT
 ACCAAATGGTTTGCCTGCATCCTGAAGGACAGCGTCACAGAAATATTGCCAATGGTAAACATGACAGGCG
 CGATCTCTGGATATTCCTTCAAGCAATGCCCTCAGCAATTAAGTACTTGCAGCAAAGATGTGTACGTGAA
 CCTAGACATGAAGGGCATGAACTATAACAGCTCTGTCTGGAAGAATGCTCGAGAATGCCAGGAGAGATGC
 ACAGACGATGCCACTGCCAGTTTTTACATACGCAACAGGGTATTTTCCAGTGTGGACCATCGTAAAA
 TGTGTCTTTGAAGTACCCCGAACGGGACGCCAACACAATAACGAAGCTCAATGGCGTGGTATCTGG
 ATTTTCACTGAAGTCTGTGGACTTTCAAACCTGGCTTGTATCAGGGACATTTTCCCTAACACGGTCTG
 GCAGACCTTAACATTGACAGCGTGGTGGCCCGAGATGCTTTTGTCTGCTGCGCATCTGCACGCATCACC
 CCACTTGTGTCTTTCACATTCTTTTCCCAAGCATGGCCGAAAGAATCTCAGAGACATCTTTGTCTCCT
 TAAAACCTCTGAAAGTGGATTACCAAGCACACGCATTACAAAGAGCCACGCCCTTTGGGGCTCAGTCTC
 CAGCACTGCAGGCACAGTGTCCAGTATTCGCCATCCGTCTTTTACAACGACACTGATTTCTTGGGAG
 AAGAGCTGGACATCGTCGATGTGAAAGGCCAAGAAACCTGTGAGAAAACGTGTACCAATAACGCCCGCTG
 CCAGTTCTTTACCTACTATCCATCGCACAGACTGTGCAATGAGAGGAACCGCAGGGGAGATGTTACCTA
 AAGCTTTCCTCCAATGGATCTCCAACGAGAATACTTCAATGGGAGGGGAGGCATCTCTGGATACTCACTGA
 GGCTGTGCAAAAATGGATAATGTGTGCACAATAAAATCAACCCAGAGTGGTAGGAGGAGCTGCTGTGT
 TCACGGTGAGTGCCATGGCAGGTGACTCTGCACATCAGCCAGGGACACCTGTGTGGAGGCTCCATCATT
 GAAAACCAATGGATACTGACAGCAGCTCATTGTTTCTCTGGGATAGAGACACCTAAAAAGCTGCGTGTCT
 ACGGTGGCATTGTAATCAATCAGAAAATAAATGAAGGGACTGCTTTCTCAGGGTTCAAGAAATGATAAT
 TCATGATCAGTATACGACAGCAGAAAGTGGGTATGATATTGCCCTGTAAAACCTGGAATCAGCCATGAAT
 TACACAGATTTTACGCGGCAATATGCCTGCCTTCCAAAGGAGATAGAAACGAGTGCACACAGAATGCT
 GGGTACTGGATGGGGTACACAGCACTAAGAGGTGAAGTACAAAGTACTCTTCAGAAAGCCAAGGTTCC
 ATTGGTGTCAAAATGAAGAATGTCAGACAAGATACAGAAGACACAAAATAACCAATAAGATGATCTGTGCA
 GGCTACAAAGAAGGAGGGAAGGATACGTGCAAGGGAGATTCTGGAGGGCCCTGTCTGCAATACAAATG
 GGGTCTGGCACTTGGTGGGCATCACAAGCTGGGGTGAAGGCTGTGGTCAAGAGGAGACCGGGGGTCTA
 CACGAACGTGGCCAAGTACGTGGACTGGATTCTGGAGAAAACCTCAACAGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209529 protein sequence
 Red=Cloning site Green=Tags(s)

MTSLHQVLYFIFASVSSECVTKVFKDISFQGGDLSTVFTPSATYCRLVCTHHPRCLLFTFMAESSDDP
 TKWFACILKDSVTEILPMVNMTGAISGYSFKQCPQQLSTCSKDVYVNLDMKGMNYNSSVVKNAECQERC
 TDDAHCQFFTYATGYFPSVDHRKMCLLKYTRTGPTTITKLNQVVSGLSKSCGLSNLACIRDIFPNTVL
 ADLNIDSVVAPDAFVCRRICTHHTPTCLFFTFSSQAWPKESQRHLCLLKTSEGLPSTRITKSHALSGFSL
 QHCRHSVPVVFCHPSFYNDTDFLGEELDIVDVKQETCQKCTNNARCQFFTYPSHRLCNERRRGRCYL
 KLSNSGSPTRILHGRGGISGYSRLCKMDNVCTTKINPRVVGAAASVHGEWPQVTLHISQGHLCGGSI
 GNQWILTAACHFSGIETPKLRVYGGIVNQSEINEGTAFFRVQEMIIHDQYTTAESGYDIALLKLESAMN
 YTDFQRPICLPSKGDRAVHTECWVTGWGYTALRGEVQSTLQKAKVPLVSNEECQTRYRRHKITNKMICA
 GYKEGGKDTCKGDSGGPLSCKYNGVWHLVGITSWGEGCGKERPGVYTNVAKYVDWILEKTQTV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_028066

ORF Size: 1875 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_028066.2](#)

RefSeq Size: 2246 bp

RefSeq ORF: 1875 bp

Locus ID: 109821

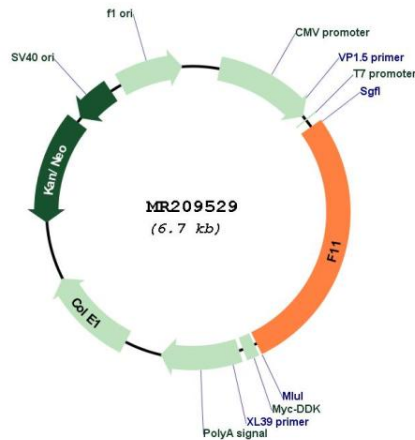
UniProt ID: [Q91Y47](#)

Cytogenetics: 8 25.14 cM

MW: 69.8 kDa

Gene Summary: This gene encodes a glycoprotein coagulation factor that plays an important role in intrinsic pathway of blood coagulation and hemostasis. The encoded protein is an inactive zymogen that can be activated by coagulation factor XIIIa, thrombin or factor XIa to generate active factor XIa protease. Mice lacking the encoded protein display a survival advantage during peritoneal sepsis and resist inflammation and bacterial accumulation upon infection with *Listeria*. [provided by RefSeq, Apr 2015]

Product images:



Circular map for MR209529