

Product datasheet for **MC205758**

F11r (NM_172647) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	F11r (NM_172647) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	F11r
Synonyms:	9130004G24; AA638916; ESTM33; JAM; JAM-1; JAM-A; Jcam; Jcam1; Ly106
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC021876
 GTCGCGTCGGGATTGTAAGTGAATGGGCACCGAGGGGAAAGCCGGGAGGAAACTGTTGTTTCTCTTCAC
 GTCTATGATCCTGGGCTCTTTGGTACAAGGCAAGGGTTCGGTGTACACTGCTCAATCTGACGTCCAGGTT
 CCCGAGAACGAGTCCATCAAATTGACCTGCACCTACTCTGGCTTCTCCTCTCCCCGAGTGGAGTGGAAAGT
 TCGTCCAAGGCAGCACAAGTGCACCTTGTGTGTTATAACAGCCAGATCACAGCTCCCTATGCGGACCGAGT
 CACCTTCTCATCCAGTGGCATCACGTTTCAAGTTCGTGACCCGGAAGGACAATGGAGAGTATACTTGCATG
 GCTCCGAGGAAGGTGGCCAGAAGTACCGGGAGGTCAGCATCCACCTCACTGTGCTTGTACCTCCATCCA
 AGCCGACGATCAGTGTCCCTCCTCTGTACCATTGGGAACAGGGCAGTGTGACCTGCTCAGAGCATGA
 TGGTTCGCCACCTCTGAATATTCTGTTCAAGGACGGGATATCCATGCTTACAGCAGATGCCAAGAAA
 ACCCGGGCCTTCAATTTCTTCAATTCACCATTGATCCAAAGTCGGGGGATCTGATCTTTGACCCCGTGA
 CAGCCTTTGATAGTGGTGAATACTACTGCCAGGCCAGAATGGGTATGGGACAGCCATGAGGTGAGAGGC
 TGCACACATGGATGCTGTGGAGCTGAATGTGGGGGCATCGTGGCAGCTGTCTGGTAACACTGATTCTC
 CTTGGACTCTTGATTTTTGGCGTCTGGTTTGCCTATAGCCGTGGATACTTTGAAAGAACAAGAAAGGGA
 CTGCACCGGTAAGAAGGTCATTTACAGCCAGCCAGTACTCGAAGTGAGGGGGAATTCAAACAGACCTC
 GTCGTTCTGGTGTGACCTGCTGCGGCTCCTCCGTTGTCCATTTGCCTTACTCAGGTGCTACAGGTTCCA
 GCCCTGCTGGCTGTAGCTGCACAGGATGCCTCAATGTCTTCTAGGTCCACAGGACCCCTTGCTTTTA
 TTCTAGCTAGGATATAAATTTAAAAACATCATCTACTTCCCCCTCCTCTTTCCACCCCTCCCTCCTTTCC
 TTACCACCATTTGGTGGCCCGAGACTAATTACAAAGTTTTCGTTCGCCATTCTATGTGGGATTGGGCAA
 GAGTCTAGACTAGACAGTAATAGTGGCTGGGCTGACAGGAACCCAAACCAATACTTGGCTGTAAAGGCC
 TCTGAATAAGGACTTTAAGCCTAGCTCCCTGCTTTCTCTCCCCGGATGGGGTCCAGCTACTCTAGAGG
 GGGAGCTGCAGAGAGGAGGGGCTGAGGATGGTACCTCAGGTCTTAGTCTTCGGAGCTTCTCTTCTGTC
 TCCACAAAATGTCCACTGGGATTCTCTGGATTCAAAGTAAACTGACATGGTGTCCGTACGAGGTGGGA
 GAGCTCTGTTAGTCCCAAGAGACTTGGAGTAAGAAAGATTTAAAGTGATCTAAAGAAAAGGCTGGAAT
 GGTGGCCATTAGTCACTTTTATTGGCTGGAAGTACCGCACGGACCCCTTTGAAGATATGTGTGGATGGA
 GAAGATACGAGCTTTATAGTCTTGGCTCTTTGGTGGCCTCGTGTGTGTGTGTGTGTGTGTGTGTGT
 GTGTGTGTGAG
 AGGGCTTTCTAGCTCTTTGGCAAGGTTGTGTTTCTGTGTGTTTATATTTGACAGATGTTGCTGGAATAA
 AAATTCATTTGACAGAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_172647

Insert Size: 903 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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: [BC021876](#), [AAH21876](#)

RefSeq Size: 1851 bp

RefSeq ORF: 903 bp

Locus ID: 16456

UniProt ID: [O88792](#)

Cytogenetics: 1 79.43 cM

Gene Summary: Seems to play a role in epithelial tight junction formation. Appears early in primordial forms of cell junctions and recruits PARD3 (PubMed:11447115). The association of the PARD6-PARD3 complex may prevent the interaction of PARD3 with JAM1, thereby preventing tight junction assembly (PubMed:11447115). Plays a role in regulating monocyte transmigration involved in integrity of epithelial barrier (PubMed:9660867). Ligand for integrin alpha-L/beta-2 involved in memory T-cell and neutrophil transmigration (By similarity). Involved in platelet activation (By similarity).[UniProtKB/Swiss-Prot Function]