

Product datasheet for MR204187

F11r (NM_172647) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	F11r (NM_172647) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	F11r
Synonyms:	9130004G24; AA638916; ESTM33; JAM; JAM-1; JAM-A; Jcam; Jcam1; Ly106
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204187 representing NM_172647 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCACCGAGGGGAAAGCCGGGAGGAAACTGTTGTTTCTCTTCACGTCTATGATCCTGGGCTCTTTGG
TACAAGGCAAGGGTTCGGTGTACACTGCTCAATCTGACGTCCAGGTTCCCGAGAACGAGTCCATCAAATT
GACCTGCACCTACTCTGGCTTCTCCTCTCCCCGAGTGGAGTGGAAAGTTCGTCGAAGGCAGCACAACTGCA
CTTGTGTGTTATAACAGCCAGATCACAGCTCCCTATGCGG[AT]CCGAGTCACCTTCTCATCCAGTGCCA
TCACGTTCACTTCTGTGACCCGGAAGGACAATGGAGAGTATACTTGCATGGTCTCCGAGGAAGGTGGCCA
GAACTACGGGAGGTGAGCATCCACCTCACTGTGCTTGTACCTCCATCCAAGCCGACGATCAGTGTCCCC
TCCTCTGTCAACATTGGGAACAGGGCAGTGTGACCTGCTCAGAGCATGATGGTTCCCCACCTCTGAAT
ATTCCTGGTTCAAGGACGGGATATCCATGCTTACAGCAGATGCCAAGAAAACCCGGGCTTCATGAATTC
TTCATTCACTATTGATCCAAAGTCGGGGATCTGATCTTTGACCCCGTGACAGCCTTTGATAGTGGTGAA
TACTACTGCCAGGCCAGAATGGATATGGGACAGCCATGAGGTCAGAGGCTGCACACATGGATGCTGTGG
AGCTGAATGTGGGGGCATCGTGGCAGCTGTCTGGTAACACTGATTCTCCTTGGACTCTTGATTTTTGG
CGTCTGGTTTGCCTATAGCCGTGGATACTTTGAAAGAACAAGAAAGGGACTGCACCGGGTAAGAAGTTC
ATTTACAGCCAGCCAGTACTCGAAGTGAGGGGAATTCAAACAGACCTCGTCGTTCTGGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204187 representing NM_172647
Red=Cloning site Green=Tags(s)

MGTEGKAGRKLLFLFTSMILGSLVQKGSVYTAQSDVQVPENESIKLTCTYSGFSSPRVEWKFVQGSTTA
 LVCYNSQITAPYAXRVTFSSSGITFSSVTRKDNGEYTCMVSEEGQNYGEVSIHLTVLVPPSKPTISVP
 SSVTIGNRAVLTCSEHDGSPPEYSWFKDGI SMLTADAKKTRAFMNSSFTIDPKSGDLIFDPVTAFDSGE
 YYCQAQNGYGTAMRSEAAHMDAVELNVGGIVA AVLVTLLILLGLLIFGVWFAYSRYGFERTKKGTAPGKKV
 IYSPSTRSEGEFKQTSSFLV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9023_f09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_172647

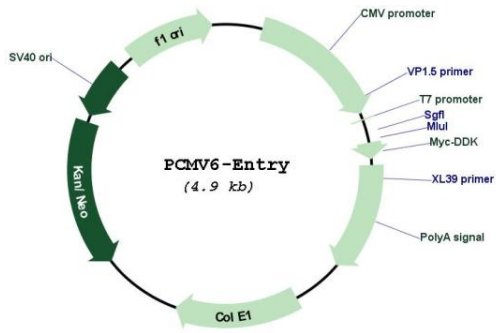
ORF Size: 903 bp

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](#)

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:	<ol style="list-style-type: none">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:	<u>NM_172647.1</u> , <u>NM_172647.2</u> , <u>NP_766235.1</u>
RefSeq Size:	2482 bp
RefSeq ORF:	903 bp
Locus ID:	16456
UniProt ID:	<u>O88792</u>
Cytogenetics:	1 79.43 cM
MW:	32.9 kDa
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]

Product images:



Circular map for MR204187