

Product datasheet for **RR201489**

F2r12 (NM_053313) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	F2r12 (NM_053313) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	F2r12
Synonyms:	PAR3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR201489 representing NM_053313 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGATGAAAGTCCTTATCTTGGTTGGGTTAGGCTGCTGTTTCTGCCGACCACTGTTTGCCAAAGTG
GCATGAAACATGTTTCAGACAACCTCAGCCTTAAGTCTGAGAGTTTTAATGGCAACGAACATTCCTTTGA
AGAATTCCTTCTGACATAGAGGGCTGGACAGGAGCCACCACAATAAAAAGCGAAGTGCCCGAA
GAAAGCATTACAACCTCCATGTGAATAATGCTACCATGGGATACCTGAGAAGTTCTTAAGTACCAAAG
TGATACCTGCCATCTACATCCTGGTGGTGTGATTGGTGTACCAGCGAACATCGTGACCTGTGGAAACT
CTCCTCAAGGACCAATCCATCTGTCTGGTCATCTTTCACACCAACCTGGCCATCGCGGATCTCCTTTTC
TGTGTCACGCTGCCGTTAAGATCGCCTACCATCTCAATGGGAACGACTGGGTCTTTGGCGAGGTCATGT
GCCGGGTACCCACGGTCGCTTTCTACGGCAACATGTATTGTGCTATTCTCATCCTCACCTGTATGGGCAT
CAACCGTACCTGGCCACGGTCCATCCCTTCACATACCGCAAGCTGCCAAACGCAACTTCACTTTGCTC
ATGTGTGGCGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGT
ATCTTGTCCAACAGGGATCACCACCTGCCAGCAGCTCCAGACACATGCGAGTCCCGTGGCCCTTCCA
GTCTACTACTTCGTCCTTGGCCTTCTTTGGGTTCTTATCCATTTGTGGTCAAGTGTCTTCTGTAC
ACGACTCTCATCCACAAGCTTAACGCGCAGGATCGCAAATGGCTGAGGTACATCAAGCGGTTCTCCTCA
TCCTTGTGATTTTCACCATCTGCTTTGCCCCACCAACATCATACTCATAATTCACCACGCCAACTACTA
CTACAGCAACACTGATAGCTTGTACTTTATGTATCTCATAGCTCTCTGCCTGGGCAGCCTGAATAGTTGC
CTAGACCCATTCCTTTATTTTATCATGTCAAAAATTGTAGATCAGCTGACCTCG

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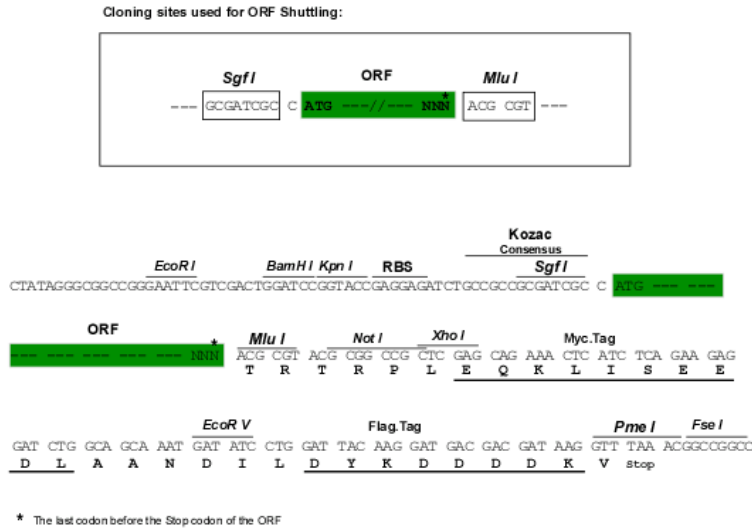
Protein Sequence: >RR201489 representing NM_053313
 Red=Cloning site Green=Tags(s)

MEMKVLILVGVRLFLPTTVCQSGMKHVS DNSALTAESFNGNEHSFEEFPLSDIEGWTGATTTIKAKCPE
 ESITTLHVNNATMGYLRSSLSTKVIPAIYILVFVIGVPANIVTLWKLSSRTKSICLVIFHTNLAIADLLF
 CVTLPFKIAHYHLNGNDWVFEV MCRVTTVAFYGNMYCAILILTCMGINRYLATVHPFTYRKL PKRNFLL
 MCGVVVMVVL YMLPLAILKQEYHLVQPGITTCHDVHDTCESPLPFQFYFVSLAFFGFLIPFVSVFCY
 TTLIHKLNAQDRKWLRYIKAVLLILVIFITICFAPTNIILIIHHANYYSNTDSL YFMYLIALCLGSLNSC
 LDPFLYFIMSKIVDQLTS

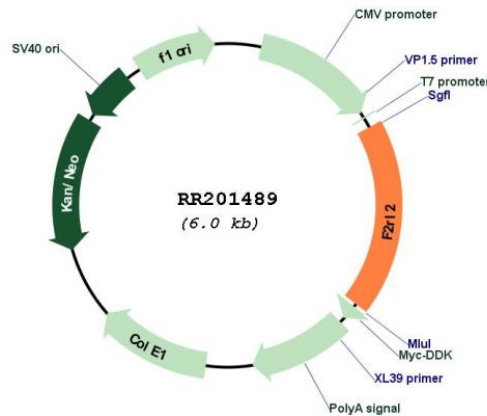
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053313

ORF Size:	1104 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:	<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:	NM_053313.1 , NP_445765.1
RefSeq Size:	1505 bp
RefSeq ORF:	1107 bp
Locus ID:	29636
UniProt ID:	Q920E1
Cytogenetics:	2q12
MW:	41.8 kDa
Gene Summary:	may play a role in response to injury and ischemia [RGD, Feb 2006]