

Product datasheet for **RR208717**

F2r (NM_012950) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: F2r (NM_012950) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: F2r
Synonyms: Par1; TRGPC
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208717 representing NM_012950
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCCCCGGCGCTTGTCTGCTCGTCGGTTCGGCTCAGCCTGTGCGGTCCTTTGCTGTCTTCCCGG
 TTCCTATGAGACAGCCAGAATCTGAGAGGATGTATGCTACGCCGTATGCTACGCCAAACCCCGCTCATT
 TTTTCTCAGGAATCCCAGTGAAGATACATTTGAACAGTCCCCCTAGGGGATGAGGAGGAGAAAAATGAA
 AGCATACCGCTCGAGGGCAGGGCAGTCTACTTAAATAAAAAGCCGTTTTCTCCCATGCCGCTCCTCCCT
 TCATCTCCGAGGACGCCCTCCGGATATCTGACCAGCCCCTGGCTGACGCTTTCATACCCTCCGTGTACAC
 GTTTGTGTTTCATAGTCAGCCTTCCCCTGAACATCCTGGCCATCGCTGTGTTTGTCTTTCCGGATGAAGGTC
 AAGAAGCCGGCCGTGGTGTACATGCTGCACCTGGCCATGGCCGATGTCCTCTTCGTGTCCGTGCTCCCCT
 TCAAGATCAGCTACTACTTCTCCGGCACCATTGGCAGTTCGGGTCGGGAATGTGTCGCTTCGCCACCCG
 AGCGTTTTATTGTAACATGTACGCTCCATCATGCTCATGACAGTCATAAGCATTGACCGGTTCTGGCA
 GTGGTGTACCCCATCCAGTCCCTGTCTGGCGCACTCTGGGCCGAGCCAACTTACCTGCGTGGTGCATCT
 GGGTGTGGCCATCATGGGGTGGTGGCCCTCCTCCTCAAAGAGCAGACCACCCAGGTTCCGGGGCTCAA
 CATCACCACCTGCCACGAGTCCCTCAACGAGACCCTGCTGCATGGCTTTTACTCGTACTATTTCTCCGCC
 TTCTCCGCCATCTTCTTTCTTGTGCCGTTGATCATTTCCACAGTCTGCTACACGTCATCATCCGATGCC
 TCAGCTCCTCCGCGGTGGCGAACCAGGAGCAAGAAGTCGCGGGCTTTGTTCTGTCCGCCCGCTGTTCTG
 CATCTTCATCGTCTGCTTTGGGCCACCAACGTCCTCCTGATTGTGCACTACCTGCTCCTCTCCGACAGT
 CCTGGCACAGAGACGGCCTATTTTGCTTACCTCCTCTGCGTCTGCGTGAGCAGCGTGAGCTGCTGCATCG
 ACCCCTTGATTTACTACTATGCCTCCTCCGAGTGCCAGAAGCACCTTTACAGCATTTTGTGCTGCAGAGA
 AAGCTCTGATTCCAACAGTTGCAACAGCACCGGCCAGCTGATGCCAGTAAGATGGATACCTGCTCTAGC
 CACCTGAATAATAGCATATACAAAAAGCTACTAGCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR208717 representing NM_012950
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MGPRRLLLVAVGLSLCGPLLSSRVPMRQPESERMYATPYATPNPRSFFLRNPSEDTFEQFPLGDEEEKNE
 SIPLEGRAVYLNKSRFPMPPPPISEDASGYLTSPWLTLPFIPSVYTFVIVSLPLNILAIIVFVFRMKV
 KKPAAVYMLHLAMADLVFVSVLPFKISYYFSGTDWQFGSGMCRFATAAFYCNMYASIMLMTVISIDRFLA
 VVYPIQSLSWRTLGRANFTCVVIWYMAIMGVVPDLLKEQTTQVPLNITTCHDVLNETLLHGFYSYYFSA
 FSAIFFLVPLIISTVCYTSIIRCLSSAVANRSKSRALFLSAAVFCIFIVCFGPTNVLLIVHYLLLSDS
 PGTETAYFAYLLCVCVSSVSCCIDPLIYYYASSECCQKHLYSILCCRESSDSNSCNSSTGQLMPSKMDTCSS
 HLNNSIYKLLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

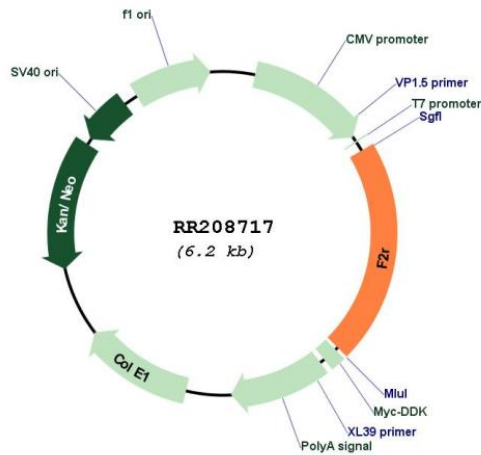
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_012950

ORF Size:	1296 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_012950.2 , NP_037082.2
RefSeq Size:	3442 bp
RefSeq ORF:	1299 bp
Locus ID:	25439
Cytogenetics:	2q12
MW:	48.3 kDa
Gene Summary:	plays a role in blood coagulation, inflammatory response, and cell proliferation; mediates signal transduction via MAP kinase and other signaling pathways [RGD, Feb 2006]