

Product datasheet for MR216610

F2r12 (NM_010170) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	F2r12 (NM_010170) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	F2r12
Synonyms:	F730031A08; PAR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR216610 representing NM_010170 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAATCCTTATCTTGGTTGCAGCTGGGCTGCTGTTTCTGCCAGTCACTGTTTGCCAAAGTGGCATAA
ATGTTTCAGACAACCTCAGCAAAGCCAACCTTAACCTAATAAGAGTTTTAATGGGGTCCCCAAAATACCTT
TGAAGAATTCCCCTTTCTGACATAGAGGGCTGGACAGGAGCCACCACAATAAAAAGCGGAGTGTC
GAGGACAGTATTCAACTCTCCACGTGAATAATGCTACCATAGGATACCTGAGAAGTTCTTAAGTACCC
AAGTGATACCTGCCATCTACATCTGCTGTTTGTGGTTGGTGTACCAGCCAACATCGTGACCCTGTGGAA
ACTCTCCTTAAGGACCAATCCATCAGTCTGGTCATCTTTCACACCAACCTGGCCATCGCAGATCTCCTT
TTCTGTGTCACTGCCATTTAAGATCGCTACCATCTCAATGGCAACAACCTGGGATTTTGGCGAGGTCA
CGTGCCGGATCACCACGGTTGTTTTCTACGGCAACATGTACTGCGCTATCCTGATCCTCACCTGCATGGG
CATCAACCGCTACCTGGCCACGGCTCACCTTTTACATACCAGAAGCTGCCCAAACGCAGCTTCTCCATG
CTCATGTGTGGCATGGTGTGGGTGATGGTTTTCTTATACATGCTGCCCTTTGTATCCTGAAGCAGGAGT
ACCACCTCGTCCACTCCGAGATCACCACCTGCCACGATGTCGTTGACGCGTGCGAGTCCCATCATCCTT
CCGATTCTACTACTTCGTCTCCTTAGCATTCTTTGGGTTCCCTCATCCCGTTTGTGATCATCATCTTCTGT
TACACGACTCTCATCCAAAACCTAAATCAAAGGATCGGATATGGCTGGGCTACATCAAGGCCGCTCCTCC
TCATCCTTGATTTTCAAAATTTGCTTTGCCCCACCAACATCATACTGTAATCCACCATGCCAACTA
CTACTACCACAATACCGACAGCTTGTACTTTATGTATCTTATTGCTCTGTGCCTGGGAGCCTGAATAGC
TGCTAGATCCATTCTTTACTTTGTCATGTGCAAAAGTTGTAGATCAGCTTAATCCT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR216610 representing NM_010170
Red=Cloning site Green=Tags(s)

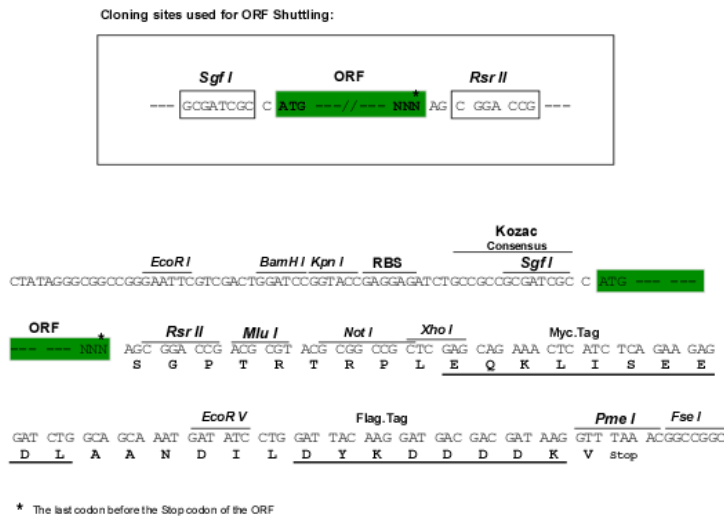
MKILILVAAGLLFLPVTVCQSGINVS DNSAKPTLTIKSFNGGPQNTFEFPLSDIEGWTGATTTIKA ECP
 EDSISTLHVNNATIGYLRSSLSTQVIPAIYILLFVVGVPANIVTLWKLSLRTKSISLVIFHTNLAIADLL
 FCVTLPFKIAIYHLNGNNWVFEVTCRITTVVFGNMYCAILILTCMGINRYLATAHPFTYQKLPKRSFSM
 LCMGMVWVMVFLYMLPFVILKQEYHLVHSEITTC HDVVDACESPSSFRFYFVSLAFFGFLIPFVIIIFC
 YTTLIHKLKS KDRIWLGYIKAVLLILVIFTICFAPTNIILVIHHANYYYHNTDSL YFMYLIALCLGSLNS
 CLDPFLYFVMSKVVDQLNP

SGPTRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1203_a06.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_010170

ORF Size: 1107 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_010170.4](#), [NP_034300.3](#)

RefSeq Size: 2464 bp

RefSeq ORF: 1110 bp

Locus ID: 14064

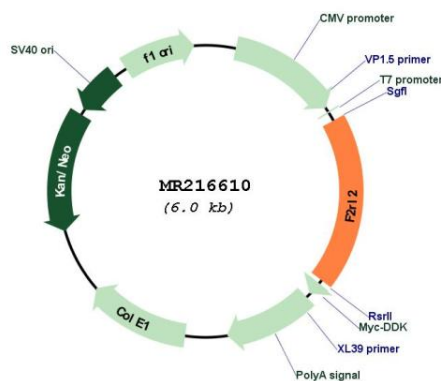
UniProt ID: [O08675](#)

Cytogenetics: 13 50.38 cM

MW: 42.1 kDa

Gene Summary: High affinity receptor for activated thrombin coupled to G proteins that stimulate phosphoinositide hydrolysis. May play a role in platelets activation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216610