

## Product datasheet for MR223298

### F2r13 (NM\_007975) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: F2r13 (NM\_007975) Mouse Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: F2r13  
 Synonyms: P; PAR4  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >MR223298 representing NM\_007975  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTGCTGGCCGCTGCTGTATCCTTTGGTGTGGGGCTCAGCATCAGCCTGGCAGAGGGCATCCAGACCC  
 CCAGCATCTACGATGATGTAGAGAGTACCAGGGGAAGCCATGAAGGCCCTCTGGTCCCACAGTAGAACT  
 CAAGGAGCCGAAGTCTCAGACAAGCCTAATCCACGAGGCTACCCGGCAAATCTGTGCCAACGACAGT  
 GACACGCTGGAGCTCCCGCCAGCTCTCAAGCACTGCTGCTGGGGTGGTCCCACGAGGCTGGTACCTG  
 CCCTCTATGGGCTTGTGGTGGCTGTGGGGCTGCCTGCCAATGGGCTGGCGCTGTGGGTGCTGGCCACAAG  
 GGTGCCACGCCTGCCATCCACCATTCTGCTCATGAACCTGGCAGTGGCTGATCTGCTGTTGGCCCTGGT  
 CTGCCACCACGACTGGCTTACCCTTGGCTGGCCAGCGCTGGCCATTTGGTGAGGCTGCCTGCCGGTGG  
 CCACAGCTGCCCTCTATGGCCACATGTATGGTTAGTGTGCTGCTGGCTGCAGTCAGCTTGGACAGATA  
 CCTGGCCCTGGTGCATCCTTTGCGGGCCCGTGCCTGCTGGTCAACGCCTCACTACTGGACTCTGTTTG  
 GTGGCCTGGCTCTCTGCAGCCACCCTGGCCTTGCTCTCACTCTGCATCGGCAGACCTCCGATTAGCTG  
 GCTCCGATCGCATGCTGTGTATGATGCGCTGCCCTGACTGAGCAGACCTCCACTGGAGACCGGCCTT  
 CATCTGCCTGGCTGTCTGGGCTGCTTCGTGCCACTGCTGGCCATGGGCTGTGCTATGGAGCCACCCTT  
 CGTGCCTGGCGCCAATGGCCAGCGCTACAGCCATGCACTCAGACTGACAGCCCTGGTACTGTTCTCGG  
 CAGTGGCCTCTTTACACCTAGCAATGTGCTGCTGGTGTGCTGCACTATTCAAACCCGAGCCCTGAGGCCTG  
 GGGCAATCTCTATGGAGCCTATGTGCCAGCCTGGCACTCAGCACCCCAACAGCTGCGTAGACCCCTTTC  
 ATCTACTACTATGTGCCATGAGTTACAGGAGAAGGTACGCGCTATGTTGTGTCGCCAGCCGGAGGCCA  
 GCAGCTCTCTCAGGCCTCCAGGAGGCTGGAAGCCGAGGGACTGCCATTTGCTCCTCTACACTTCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR223298 representing NM\_007975  
Red=Cloning site Green=Tags(s)

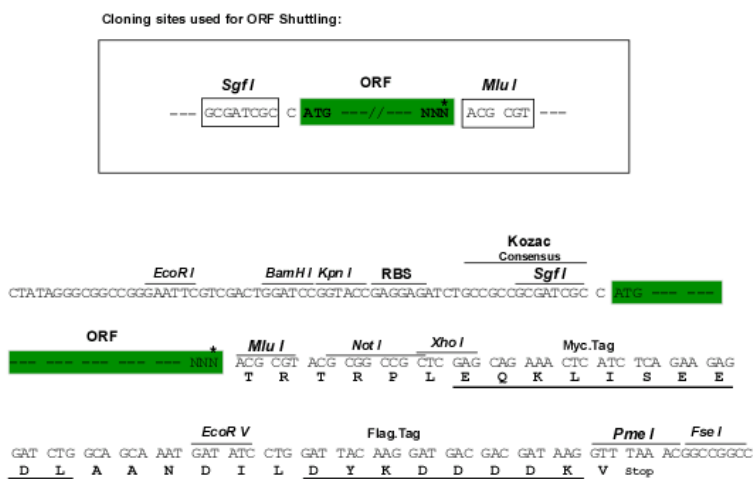
MCWPLLYPLVLGLSISLAEGIQTPSIYDDVESTRGSHGGLPTVELKEPKSSDKPNPRGYPGKFCANDS  
 DTLELPASSQALLLWVPTLVPALYGLVAVGLPANGLALWVLA TRVPRLPSTILLMNLAVADLLALV  
 LPPRLAYHLRGQRWPFGEAACRVATAALYGHMYGSVLLLA AVSLDRYLALVHPLRARALRGQRLTTGLCL  
 VAWLSAATLALPLTLHRQTFRLAGSDRMLCHDALPLTEQTSWHRPAFICLAVLGCVFPLLAMGLCYGATL  
 RALAANGQRYSHALRLTALVLFSAVASFTPSNVLLVLHYSNPSPEAWGNLYGAYVPSLALSTLNSCVDPF  
 IYYYYSHEFREKVRAMLCRQPEASSSSQASREAGSRGTAICSSTLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9018\\_f07.zip](https://cdn.origene.com/chromatograms/mm9018_f07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_007975

**ORF Size:** 1188 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\\_007975.4](#)

**RefSeq Size:** 1762 bp

**RefSeq ORF:** 1191 bp

**Locus ID:** 14065

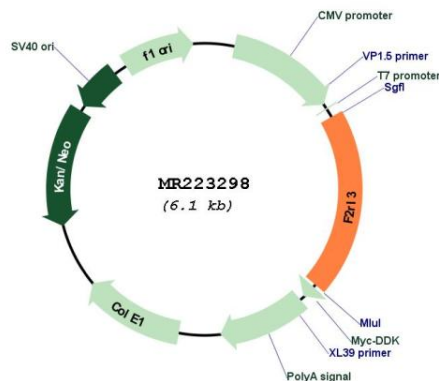
**UniProt ID:** [O88634](#)

**Cytogenetics:** 8 B3.3

**MW:** 43.2 kDa

**Gene Summary:** This gene encodes a member of the protease-activated receptor subfamily, part of the G-protein coupled receptor 1 family of proteins. The encoded receptor is proteolytically processed to reveal an extracellular N-terminal tethered ligand that binds to and activates the receptor. This receptor plays a role in blood coagulation, inflammation and response to pain. Mice lacking a functional copy of this gene exhibit impaired platelet activation and prolonged bleeding times. [provided by RefSeq, Sep 2016]

### Product images:



Circular map for MR223298