

Product datasheet for **MG206862**

F2r (NM_010169) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: F2r (NM_010169) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: F2r
Synonyms: A1482343; Cf2r; Par1; ThrR
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG206862 representing NM_010169
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGCCCCGGCGTTGCTGATCGTCGCCCTCGGCCTCAGCCTGTGCGGTCCCTTGTGTCTTCCCGG
 TCCCTATGAGCCAGCCAGAATCAGAGAGGACAGATGCTACGGTGAACCCCGCTCATTCTTTCTAAGGAA
 TCCAGTGAATAACATTTGAAGTGGTCCCCCTGGGGATGAGGAGGAGGAGGAGAAAAATGAAAGCGTC
 CTGCTGGAGGGTAGGGCAGTCTACTTAAATATAAGCCTCCCTCCTCACACGCCGCTCCTCCCTTATCT
 CCGAGGACGCCTCCGGATATCTGACCAGCCCTGGCTGACGCTTTCATGCCCTCCGTGTACACGATTGT
 GTTCATTGTGAGCCTTCCCTCTGAACGCTCCTGGCCATCGCAGTGTTGCTTGTGAGGATGAAGTCAAGAAG
 CCGGCCGTGGTGTACATGCTGCACCTGGCCATGGCCGACGTGCTTTCGTGTCGGTGTCCCTTCAAGA
 TCAGCTACTACTTCTCCGGCACTGATTGGCAGTTCGGGTCTGGAATGTGCCGCTTCGCCACCGCAGCGTT
 TTACGGGAACATGTACGCCTCCATCATGCTCATGACGGTCATAAGCATTGACCGGTTCTGGCGGTGGTG
 TATCCGATCCAGTCCCTGTCTGGCGCACTCTGGGCCGAGCCAACTTCACTTGCCTGGTCATTTGGGTGA
 TGGCCATCATGGGGTGGTGCCCTTCTCCTCAAGGAGCAGACCACCGAGTTCGGGACTCAACATCAC
 CACCTGCCACGACGTCCTCAGTGAGAACCTGATGCAAGGCTTTTACTCGTACTACTTCTCGGCCTTCTCC
 GCCATCTTTCTTGTGCGTTGATCGTTTCCACGGTCTGACACGTCATCATCCGGTGCCTGAGCT
 CCTCCGCGGTTGCCAACCGGAGCAAGAAGTCGCGGGCTTTGTTCTGTCTGCCGCGGTGTTCTGCATCTT
 CATCGTCTGCTTTGGGCCACCAACGTCCTCCTGATTGTGCACTACCTTTTCTCTCCGACAGTCTGGT
 ACAGAGGCAGCCTACTTTGCTTACCTCCTCTGCGTCTGTGTGAGCAGCGTGAGCTGCTGCATCGATCCGT
 TGATTTACTACTACGCTCCTCCGAGTGCCAGAGGCACCTCTACAGCATTTGTGCTGCAAGAAAGCTC
 TGATCCCAACAGTTGCAACAGCACCGGCCAGCTGATGCCAGTAAATGGATACCTGCTCTAGTCACCTG
 AATAACAGCATATACAAAAGCTATTAGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206862 representing NM_010169
Red=Cloning site Green=Tags(s)

MGPRRLLI VALGLSLCGPLLSSRVPM SQPE SERTDATV NPRSFFLRNPSENTFELVPLGDEEEEEK NESV
 LLEGRAVYLNISLPPHTPPPPFISEDASGYL TSPWLT LFMPSVYTVFIVSLPLNVLAIAVFLRMKVKK
 PAVVYMLHLAMADVLFVSVLPFKISYYFSGTDWQFGSGMCRFATAAFYGNMYASIMLMTVISIDRFLAVV
 YPIQSLSWRTLGRANFTCVVIWMAIMGVVPLLLKEQTTRVPLNITTTCHDVLSENLMQGFYSYYFSAFS
 AIFFLVPLIVSTVCYTSIIRCLSSAVANRSKSRALFLSAAVFCIFIVCFGPTNVLLIVHYLFLSDSPG
 TEAAYFAYLLCVCVSSVSCCIDPLIYYYASSECRHLYSILCKE SDPNSC NSTGQLMP SKMDTCS SHL
 NNSIYKLLA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010169

ORF Size: 1290 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_010169.4](#)

RefSeq Size: 3296 bp

RefSeq ORF: 1293 bp

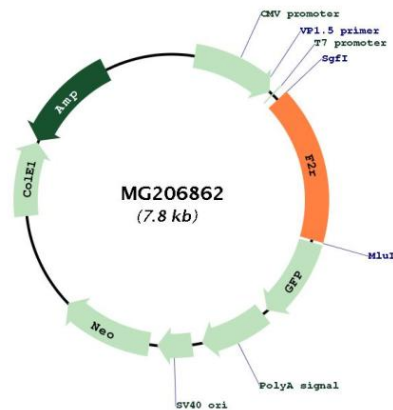
Locus ID: 14062

UniProt ID: [P30558](#)

Cytogenetics: 13 50.21 cM

Gene Summary: High affinity receptor for activated thrombin coupled to G proteins that stimulate phosphoinositide hydrolysis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG206862