

Product datasheet for **RG208739**

Thrombin Receptor (F2R) (NM_001992) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Thrombin Receptor (F2R) (NM_001992) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Thrombin Receptor |
| Synonyms: | CF2R; HTR; PAR-1; PAR1; TR |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG208739 representing NM_001992 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCCGCGCGGCTGCTGCTGGTGGCCGCTGCTTCAGTCTGTGCGGCCGCTGTTGTCTGCCCGCA
CCCGGGCCCGCAGGCCAGAATCAAAGCAACAAATGCCACCTTAGATCCCGGTCATTTCTCTCAGGAA
CCCCAATGATAAATGAACCATTTTGGGAGGATGAGGAGAAAAATGAAAGTGGGTTAACTGAATACAGA
TTAGTCTCCATCAATAAAAGCAGTCTCTTCAAAAACAACCTCCTGCATTCACTCAGAAGATGCCTCCG
GATATTTGACCAGCTCCTGGCTGACACTCTTTGCCATCTGTGTACACCGGAGTGTGTTGTAGTCAGCCT
CCCACTAAACATCATGGCCATCGTTGTGTTCATCCTGAAAATGAAGGTCAAGAAGCCGGCGGTGGTGTAC
ATGCTGCACCTGGCCACGGCAGATGTGCTGTTGTGTCTGTGCTCCCTTTAAGATCAGCTATTACTTTT
CCGGCAGTGATTGGCAGTTTGGGTCTGAATTGTGTGCTCGCTTCTGACTGCAGCATTACTGTAACATGTA
CGCCTCTATCTTGCTCATGACAGTCATAAGCATTGACCGGTTTCTGGCTGTGGTGTATCCCATGCAGTCC
CTCTCCTGGCGTACTCTGGGAAGGGCTTCTTCACTTGTCTGGCCATCTGGGCTTTGGCCATCGCAGGGG
TAGTGCCTCTGCTCCTCAAGGAGCAAACCATCCAGGTGCCCGGGCTCAACATCACTACCTGTCATGATGT
GCTCAATGAAACCCTGCTCGAAGGCTACTATGCCTACTACTTCTCAGCCTTCTCTGCTGTCTTCTTTTTT
GTGCCGCTGATCATTCCACGGTCTGTTATGTGTCTATCATTGATGCTTAGCTCTTCCGAGTGGCCA
ACCGCAGCAAGAAGTCCCGGGCTTTGTTCTGTGACGTGCTGTTTCTGCATCTTCATCATTGCTTCCG
ACCCACAACGTCCTCCTGATTGCGCATTACTCATTCTTTCTCACACTCCACCACAGAGGCTGCCTAC
TTTGCCTACCTCCTCTGTGTCTGTGTCAGCAGCATAAGCTGCTGCATCGACCCCTAATTTACTATTACG
CTTCTCTGAGTGCCAGAGGTACGTCTACAGTATCTTATGCTGCAAGAAAGTTCCGATCCAGCAGTTA
TAACAGCAGTGGCAGTTGATGGCAAGTAAATGGATACCTGCTCTAGTAACCTGAATAACAGCATATAC
AAAAAGCTGTTAACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208739 representing NM_001992
 Red=Cloning site Green=Tags(s)

MGPRRLLLVAACFSLCGPLL SARTRARRPESKATNATLDPRSFLLRPNNDKYEPFWEDEEKNESGLTEYR
 LVSINKSSPLQQLPAFISEDASGYLTSSWLT L FVPSVYTG V FV VSLPLNIMAI VV F I L K M K V K P A V V Y
 MLHLATADVL FVSVLPFKISYYFSGSDWQFGSEL CRFV T A A F Y C N M Y A S I L L M T V I S I D R F L A V V Y P M Q S
 LSWRTLGRASFTCLAIWALAIAGVVPLLLKEQTIQVPGLNITTTCHDVLNETLLEGGYAYYFSAFSAVFFF
 VPLIISTVCYVSIIRCLSSAVANRSKSRALFLSAAVFCIFIIICFGPTNVLLIAHYSFLSHTSTTEAAY
 FAYLLCVCVSSISCCIDPLIYYASSECQRYVYSILCCKESSDPSSYNSSGQLMASKMDTCCSNLNNSIY
 KKLLT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001992

ORF Size: 1275 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_001992.5](#)

RefSeq Size: 3592 bp

RefSeq ORF: 1278 bp

Locus ID: 2149

UniProt ID: [P25116](#)

Cytogenetics: 5q13.3

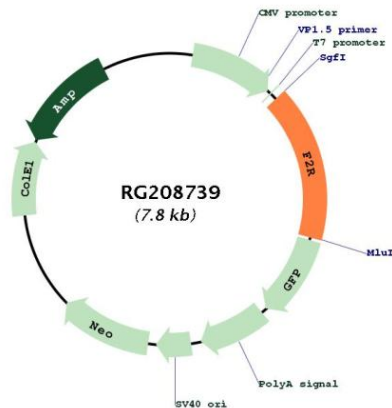
Domains: 7tm_1

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Calcium signaling pathway, Complement and coagulation cascades, Endocytosis, Neuroactive ligand-receptor interaction, Regulation of actin cytoskeleton

Gene Summary: Coagulation factor II receptor is a 7-transmembrane receptor involved in the regulation of thrombotic response. Proteolytic cleavage leads to the activation of the receptor. F2R is a G-protein coupled receptor family member. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015]

Product images:



Circular map for RG208739