

## Product datasheet for **RG210781**

### Proteinase Activated Receptor 3 (F2RL2) (NM\_004101) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Proteinase Activated Receptor 3 (F2RL2) (NM_004101) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Proteinase Activated Receptor 3
Synonyms:	PAR-3; PAR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210781 representing NM_004101 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAAGCCCTCATCTTTGCAGCTGCTGGCCTCCTGCTTCTGTTGCCCACTTTTTGTCAGAGTGGCATGG  
AAAATGATACAAACAACCTGGCAAAGCCAACTTACCCATTAAGACCTTTCGTGGAGCTCCCCAAATTC  
TTTTGAAGAGTCCCCTTTCTGCCTTGAAGGCTGGACAGGAGCCAGATTACTGTAAAAATTAAGTGC  
CCTGAAGAAAGTCTTACATCTCCATGTGAAAAATGCTACCATGGGTACCTGACCAGCTCCTTAAGTA  
CTAACTGATACCTGCCATCTACCTCCTGGTGTGTAGTTGGTGTCCCGCCAATGCTGTGACCCTGTG  
GATGCTTTTCTTCAGGACCAGATCCATCTGTACCACTGTATTCTACACCAACCTGGCCATTGCAGATTTT  
CTTTTTGTGTTACATTGCCCTTAAAGATAGCTTATCATCTCAATGGGAACAACCTGGGTATTTGGAGAGG  
TCCTGTGCCGGGCCACCACAGTCATCTTCTATGGCAACATGACTGCTCCATTCTGCTCCTTGCCTGCAT  
CAGCATCAACCGCTACCTGGCCATCGTCCATCCTTTCACCTACCGGGGCTGCCAAGCACACCTATGCC  
TTGGTAACATGTGGACTGGTGTGGGCAACAGTTTTCTTATATAGCTGCCATTTTTCATACTGAAGCAGG  
AATATTCTTGTTCAGCCAGACATCACCACTGCCATGATGTTCAACAACCTTGGAGTCTCATCTCC  
CTTCCAACCTCTATTACTCATCTCCTTGGCATTCTTTGGATTCTTAATTCATTTGTGCTTATCATCTAC  
TGCTATGCAGCCATCATCCGGACACTTAATGCATACGATCATAGATGGTGTGGTATGTTAAGCGGAGTC  
TCCTCATCCTTGTGATTTTTACCATTTGCTTTGCTCCAAGCAATATTATTCTTATTATCCACCATGCTAA  
CTACTACTACAACAACACTGATGGCTTATATTTTATATATCTCATAGCTTTGTGCCTGGGTAGTCTTAAT  
AGTTGCTTAGATCCATTCTTTATTTTCTCATGTCAAAAACCAGAAATCACTCCACTGCTTACCTTACAA  
AA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG210781 representing NM\_004101  
Red=Cloning site Green=Tags(s)

MKALIFAAAGLLLLLPTFCQSGMENDTNNLAKPTLPKTRFRGAPPNSFEFFPFSALEGWTGATITVKIKC  
 PEESASHLHVKNATMGYLTSSLSTKLIPAIYLLVFVVGVPANAVTLWMLFFRTRSICCTTVFYTNLAIADF  
 LFCVTLPFKIAIYHLNGNNWVFGVEVLCRATTVIFYGNMYCSILLACISINRYLAIVHPFTYRGLPKHTYA  
 LVTGCLVWATVFLYMLPFFILKQEYYLVQPDITTCDDVHNTCESSPPFLYYFISLAFFGFLIPFVLIY  
 CYAAIIRTLNAYDHRWLWYVKASLLILVIFTICFAPSNIILIIHHANYYNNTDGLYFIYLIACLGLSLN  
 SCLDPFLYFLMSKTRNHSTAYLTK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_004101

**ORF Size:** 1122 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\\_004101.4](#)

**RefSeq Size:** 3427 bp

**RefSeq ORF:** 1125 bp

**Locus ID:** 2151

**UniProt ID:** [O00254](#)

**Cytogenetics:** 5q13.3

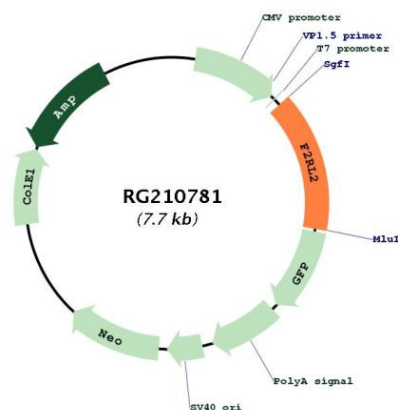
**Domains:** 7tm\_1

**Protein Families:** Druggable Genome, GPCR, Transmembrane

**Protein Pathways:** Neuroactive ligand-receptor interaction

**Gene Summary:** This gene encodes a member of the protease-activated receptor (PAR) family which is a subfamily of the seven transmembrane G protein-coupled cell surface receptor family. The encoded protein acts as a cofactor in the thrombin-mediated cleavage and activation of the protease-activated receptor family member PAR4. The encoded protein plays an essential role in hemostasis and thrombosis. Alternate splicing results in multiple transcript variants that encode different isoforms. [provided by RefSeq, Feb 2012]

## Product images:



Circular map for RG210781