

Product datasheet for **RG210404**

Proteinase Activated Receptor 4 (F2RL3) (NM_003950) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Proteinase Activated Receptor 4 (F2RL3) (NM_003950) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Proteinase Activated Receptor 4
Synonyms:	PAR4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210404 representing NM_003950 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGGGGGCGACTGCTCCTGTGGCCCTGGTGCTGGGGTTCAGCCTGTCTGGCGGCACCCAGACCCCCA
GCGTCTACGACGAGAGCGGGAGCACCGGAGGTGGTGATGACAGCACGCCCTCAATCCTGCCTGCCCCCG
CGGCTACCGAGGCAAGTCTGTGCAATGACAGTGACACCCTGGAGCTCCCGACAGCTCACGGGCACTG
CTTCTGGGCTGGGTGCCACCAGGCTGGTCCCGCCCTATGGGCTGGTCTGGTGGTGGGCTGCCGG
CCAATGGGCTGGCGCTGTGGGTGCTGGCCACGCAGGCACCTCGGCTGCCCTCCACCATGCTGCTGATGAA
CCTCGCGGCTGCTGACCTCCTGCTGGCCCTGGCGCTGCCCGCGGATCGCCTACCACCTGCGTGGCCAG
CGCTGGCCCTTCGGGGAGGCCGCTGCCGCTGGCCACGGCCGCACTCTATGGTCACATGTATGGCTCAG
TGCTGCTGCTGGCCGCCGTGAGCCTGGATCGCTACCTGGCCCTGGTGCACCCGCTGCGGGCCCGGCCCT
GCGTGGCCGGCGCCTGGCCCTTGGACTCTGCATGGCTGCTGGCTCATGGCGGCCGCCCTGGCACTGCC
CTGACACTGCAGCGGCAGACCTCCGGCTGGCGGCTCCGATCGCGTCTGCCATGACGCGTGGCC
TGGACGCACAGGCTCCCACTGGCAACCGGCTCACCTGCTGGCGCTGTTGGGCTGTTTCTGCCCT
GCTGGCCATGCTGCTGTGCTACGGGGCCACCCTGCACACGCTGGCGGCCAGCGCCGGCGCTACGGCCAC
GCGCTGAGGCTGACCGCAGTGGTGGTGGCTCCGCCGTGGCCTTCTCGTGGCCAGCAACCTGCTGCTGC
TGCTGCATTACTCGGACCCGAGCCCGAGCGCTGGGGCAACCTCTATGGTGCCTACGTGCCAGCCTGGC
GCTGAGCACCCCTCAACAGCTGCGTGGATCCCTTACTACTACTACGTGTCGGCCGAGTTAGGGACAAG
GTGCGGGCAGGGCTTTCCAACGGTCGCGGGGGACACCGTGGCCTCCAAGGCTCTGCGGAAGGGGGCA
GCCGGGCATGGGCACCCACTCTCTTTGCTCCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG210404 representing NM_003950
 Red=Cloning site Green=Tags(s)

MWGRLLLWPLVLGFSLSGGTQTPSVYDESGSTGGGDDSTPSILPAPRGYPGQVCANDSDTLELPDSSRAL
 LLGWVPTLVPALYGLVLVVGLPANGLALWVLATQAPRLPSTMLLMNLAADLLLALALPPRIAYHLRGQ
 RWPFGAAACRLATAALYGHMYGSVLLLAAVSLDRYLALVHPLRARALGRRLALGLCMAAWLMAAALALP
 LTLQRQTFRLARSDRVLCHDALPLDAQASHWQPAFTCLALLGCFLPLLAMLLCYGATLHTLAASGRRYGH
 ALRLTAVVLA SAVAFFVPSNLLLLLHYS D P S P S A W G N L Y G A Y V P S L A L S T L N S C V D P F I Y Y Y V S A E F R D K
 VRAGLFQRSPGDTVASKASAEGGSRGMGTHSSLLQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003950

ORF Size: 1155 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_003950.4](#)

RefSeq Size: 2731 bp

RefSeq ORF: 1158 bp

Locus ID: 9002

UniProt ID: [Q96RI0](#)

Cytogenetics: 19p13.11

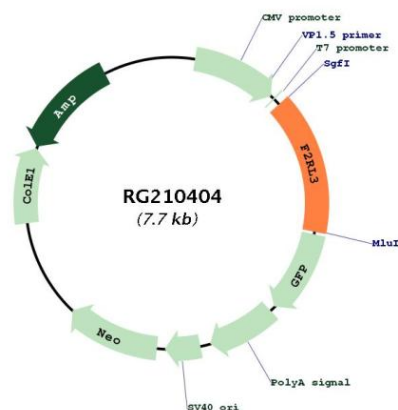
Domains: 7tm_1

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

Gene Summary: This gene encodes a member of the protease-activated receptor 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. Hypomethylation at this gene may be associated with lung cancer in human patients. [provided by RefSeq, Sep 2016]

Product images:



Circular map for RG210404