

## Product datasheet for RC232557

### Proteinase Activated Receptor 3 (F2RL2) (NM\_001256566) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Proteinase Activated Receptor 3 (F2RL2) (NM_001256566) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	F2RL2
Synonyms:	PAR-3; PAR3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC232557 representing NM_001256566 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAAAATGATACAAACAACCTGGCAAAGCCAACCTTACCCATTAAGACCTTTCGTGGAGCTCCCCAA  
ATCTTTTTGAAGAGTTCCTTTTTCTGCCTTGGAAAGCTGGACAGGAGCCACGATTACTGTAAAAATTA  
GTGCCCTGAAGAAAGTGCTTCACATCTCCATGTGAAAAATGCTACCATGGGGTACCTGACCAGCTCCTTA  
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AGTCTCCTCATCCTTGTGATTTTTACCATTGCTTTGCTCCAAGCAATATTATTCTTATTATTACCATG  
CTAACTACTACTACAACAACCTGATGGCTTATTTTTATATATCTCATAGCTTTGTGCCTGGGTAGTCT  
TAATAGTTGCTTAGATCCATTCTTTATTTTCTCATGTCAAAAACCAGAAATCACTCCACTGCTTACCTT  
ACAAAA

**ACGGT**ACGGCGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC232557 representing NM\_001256566  
 Red=Cloning site Green=Tags(s)

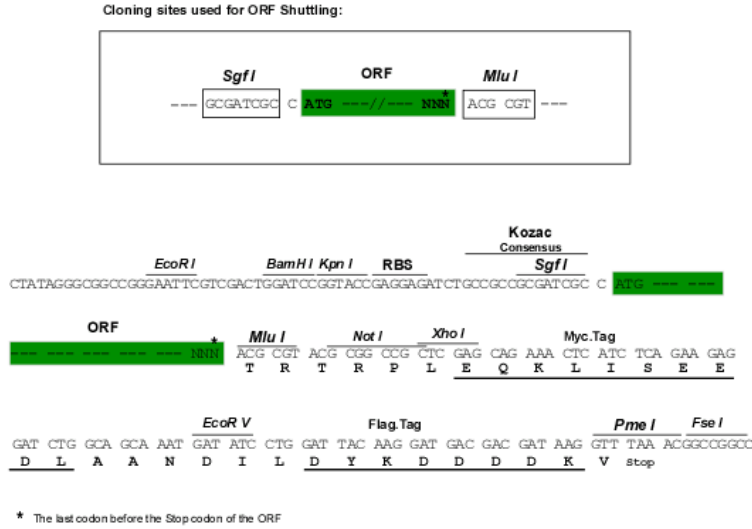
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 EVLCRATTVIFYGNMYCSILLACISINRYLAIVHPFTYRGLPKHTYALVTCGLVWATVFLYMLPFFILK  
 QEYYLVQPDITTCADVHNTCESSPPQLYFISLAFFGFLIPFVLIICYAAIIRTLNAYDHRWLWYVKA  
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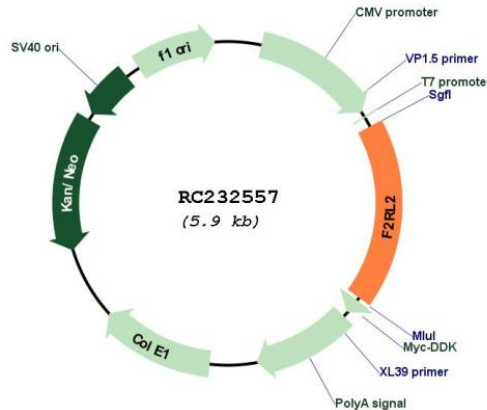
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001256566

<b>ORF Size:</b>	1056 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001256566.2</a>
<b>RefSeq Size:</b>	3295 bp
<b>RefSeq ORF:</b>	1059 bp
<b>Locus ID:</b>	2151
<b>UniProt ID:</b>	<a href="#">O00254</a>
<b>Cytogenetics:</b>	5q13.3
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction
<b>MW:</b>	40.7 kDa
<b>Gene Summary:</b>	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]