

## Product datasheet for SC117592

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Proteinase Activated Receptor 3 (F2RL2) (NM_004101) Human Untagged Clone
Tag:	Tag Free
Symbol:	Proteinase Activated Receptor 3
Synonyms:	PAR-3; PAR3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117592 sequence for NM_004101 edited (data generated by NextGen Sequencing)

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ATGAAAGCCCTCATCTTTGCAGCTGCTGGCCTCCTGCTTCTGTTGCCACTTTTTGTGAC
AGTGGCATGGAATGATACAAACAACCTGGCAAAGCCAACCTTACCCATTAAGACCTTT
CGTGGAGCTCCCCAAATTCTTTGAAGAGTTCCTTTTTCTGCCTTGAAGGCTGGACA
GGAGCCACGATTACTGTAAAAATTAAGTGCCCTGAAGAAAGTGCTTACATCTCCATGTG
AAAAATGCTACCATGGGGTACCTGACCAGCTCCTTAAGTACTAACTGATACCTGCCATC
TACCTCCTGGTGTGGTAGTTGGTGTCCCGCCAATGCTGTGACCCTGTGGATGCTTTTC
TTCAGGACCAGATCCATCTGTACCACTGTATTCTACCAACCTGGCCATTGCAGATTTT
CTTTTTGTGTTACATTGCCCTTAAGATAGCTTATCATCTCAATGGGAACAACCTGGGTA
TTTGGAGAGGTCCTGTGCCGGGCCACCACAGTCATCTTCTATGGCAACATGACTGCTCC
ATTCTGCTCCTTGCCCTGCATCAGCATCAACCGCTACCTGGCCATCGTCCATCCTTTACC
TACCGGGGCTGCCAAGCACACCTATGCCTTGGTAACATGTGGACTGGTGTGGGCAACA
GTTTTCTATATATGCTGCCATTTTTCATACTGAAGCAGGAATATTATCTTGTTACGCCA
GACATCACCACTGCCATGATGTTACAAACACTTGCGAGTCCCTCATCTCCCTTCAAACCTC
TATTACTTCATCTCCTTGGCATTCTTTGGATTCTTAATCCATTTGTGCTTATCATCTAC
TGCTATGCAGCCATCATCCGGACACTTAATGCATACGATCATAGATGGTGTGGTATGTT
AAGGCGAGTCTCCTCATCCTTGTGATTTTTACCATTTGCTTTGCTCCAAGCAATATTATT
CTTATTATTCACCATGCTAACTACTACTACAACAACACTGATGGCTTATATTTATATAT
CTCATAGCTTTGTGCTGGGTAGTCTTAATAGTTGCTTAGATCCATTCTTTATTTTCTC
ATGTCAAAAACCAGAAATCACTCCACTGCTTACCTTACAAAATAG

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Clone variation with respect to NM\_004101.2



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_004101 unedited</p> <pre>AATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGAGACAGACCAAGGCTTCCA TTTGCTGCTGACACATGGAAGTGAAGTGAATGTGCTCCATGATTTACAGATTTACATA ACGTTTAAAGAGACGGGACTCAGGTCATCAAAATGAAAGCCCTCATCTTTCAGCTGCTGG CCTCCTGCTTCTGTTGCCACTTTTTGTGAGAGTGGCATGGAAAATGATACAAACAACCT GGCAAAGCCAACCTTACCCATTAAGACCTTTCGTGGAGCTCCCCAAATCTTTTGAAGA GTTCCCTTTTTCTGCCTTGAAGGCTGGACAGGAGCCAGATTACTGTAAAAATTAAGTG CCCTGAAGAAAGTGCTTACATCTCCATGTGAAAAATGCTACCATGGGGTACCTGACCAG CTCCTTAAGTACTAACTGATACCTGCCATCTACCTCCTGGTGTGTAGTTGGTGTCCC GGCCAATGCTGTGACCCTGTGGATGCTTTTCTTCAGGACCAGATCCATCTGTACCCTGT ATTCTACACCAACCTGGCATTGAGATTTTCTTTTTTGTGTACATTGCCCTTAAAGAT AGCTTATCATCTCAATGGGAACAACCTGGGTATTTGGAGAGGTCTGTGCCGGGCCACCAC AGTCATCTTCTATGGCAACATGACTGCTCCATTCTGCTCCTTGCCTGCATCAGCATCAA CCGCTACCTGGCCATCGTCCATCTTTCACCTACCCGGGGCTGCCCAAGCACACCTATG CCCTGGTAACATGTGGACTGGNTGTGGGCACAGTNTTCTATATATGCTGGCATTTTTCTA CTGAAGCAGATATTATCTGTTAGCCGACATCACACCGCCTGATGTCACACACTGCCAGCC TCATCTCCTTCACTCATACTNATCTCCTGGCTTCTGGACCTAATCCATTGGCTT</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_004101 unedited</p> <pre>CGCAATCTAGAATCGAGTTTTTTTTTTTTTTTTTGCATTTAAAATTGTTTTTATTGTT TTGTTGGGCGATGAAATATACAGTCAAGGCAGATTCGTACAGACTTGTAAAGTCATCT CAGGAACCTTTTATGCTTAAAGTTTCTCAGCCCCATTTATTTACTACTATCATTAC TCTTTACCACTCATATCTCCCTGCTGTCTAATCACTAATATCTTCCCTCCTGTCTAATC ACTAATGTCTTCTCCTGTCTAATCACTGAGTTAAGGGAAAAATAGTCATTTACTTACA GGAATATAATGGGTATTAATAACAAAATTCATTTCCCCATTAAGGCTATGTCTAAGAA AAAAATAGTGGAGGCATTATTTAAAACCTCTAAATGGCCTGGAGAGTATAGTCTTAGTT TAGCTTCTTACTTTTTTGTATTCCCAACCTGAAATGATGTATCCCGTATCATCACAGT ATGTTGCTTTTTTTCAGTACGAAGTTAATGGGCTTTCCTGCTGTTTAACTGCTTTGAGATT TAAAAATTCATTCAGCCACATAGTATTCAAAGCATGGAGCTGGGTGCCACAAAGACTTGG GCCTGGCATCACCCATAAGCTCAAGGAAGGCAGAGGATGAGCACCTTCTCCATTACTTT GGTACTTGATTGGTCATGGAATTAATAATTAATAATAAATGAAGTATATATAAACCGCCC TAACTAAAATATACGAANAGTGCTTTGCAAGTACAGATAAGATAAGTGACACTTCTAGCC TGAGAATCAGGGAAGAATGGGCCCTCCAGGACTCGAAAAAATGAACAGAAATTAAGGCA AAGACGTTAGGACTAGCCTTTTTCAGTCTGAAGCANAGTGGNAGATATANCAAGCAGA AGGCTGGTTGGTGGCTATTATCTAAGCAAGGCTAATGGGATTGTGATTACCAGGTATCC TTGAATGCAGGCTAAGATTATGATTATTATAAACAGCGAGTATGGGAATGTTTATGATGT TCA</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_004101
<b>Insert Size:</b>	3890 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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).

**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\\_004101.2](#), [NP\\_004092.1](#)

**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]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.