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Product datasheet for RG232557

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:	TurboGFP
Symbol:	F2RL2
Synonyms:	PAR-3; PAR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG232557 representing NM_001256566
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAAATGATACAAACAACTTGGCAAAGCCAACCTTACCCATTAAGACCTTTCGTGGAGCTCCCCCAA
ATTCTTTTGAAGAGTTCCCCTTTTCTGCCTTGGAAGGCTGGACAGGAGCCACGATTACTGTAAAAATTAA
GTGCCCTGAAGAAAGTGCTTCACATCTCCATGTGAAAAATGCTACCATGGGGTACCTGACCAGCTCCTTA
AGTACTAAACTGATACCTGCCATCTACCTCCTGGTGTTTGTAGTTGGTGTCCCGGCCAATGCTGTGACCC
TGTGGATGCTTTTCTTCAGGACCAGATCCATCTGTACCACTGTATTCTACACCAACCTGGCCATTGCAGA
TTTTCTTTTTTGTGTTACATTGCCCTTTAAGATAGCTTATCATCTCAATGGGAACAACTGGGTATTTGGA
GAGGTCCTGTGCCGGGCCACCACAGTCATCTTCTATGGCAACATGTACTGCTCCATTCTGCTCCTTGCCT
GCATCAGCATCAACCGCTACCTGGCCATCGTCCATCCTTTCACCTACCGGGGCCTGCCCAAGCACACCTA
TGCCTTGGTAACATGTGGACTGGTGTGGGCAACAGTTTTCTTATATATGCTGCCATTTTTCATACTGAAG
CAGGAATATTATCTTGTTCAGCCAGACATCACCACCTGCCATGATGTTCACAACACTTGCGAGTCCTCAT
CTCCCTTCCAACTCTATTACTTCATCTCCTTGGCATTCTTTGGATTCTTAATTCCATTTGTGCTTATCAT
CTACTGCTATGCAGCCATCATCCGGACACTTAATGCATACGATCATAGATGGTTGTGGTATGTTAAGGCG
AGTCTCCTCATCCTTGTGATTTTTACCATTTGCTTTGCTCCAAGCAATATTATTCTTATTATTCACCATG
CTAACTACTACTACAACAACACTGATGGCTTATATTTTATATATCTCATAGCTTTGTGCCTGGGTAGTCT
TAATAGTTGCTTAGATCCATTCCTTTATTTTCTCATGTCAAAAACCAGAAATCACTCCACTGCTTACCTT
ACAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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Protein Sequence:

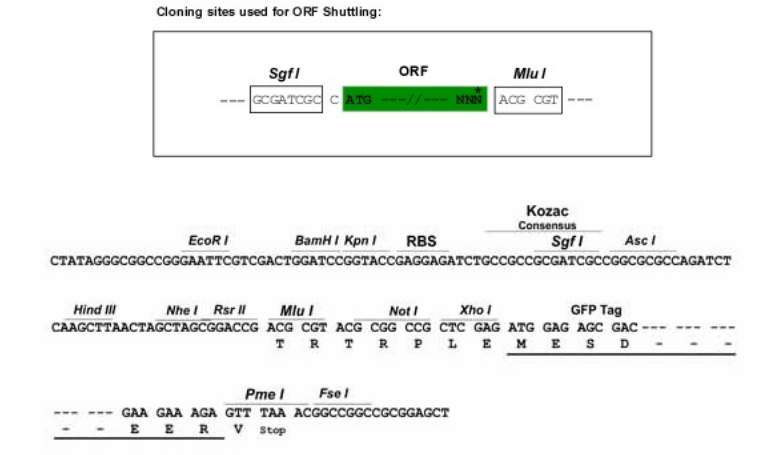
>RG232557 representing NM_001256566
Red=Cloning site Green=Tags(s)

MENDTNNLAKPTLPIKTFRGAPPNSFEEFPFSALEGWTGATITVKIKCPEESASHLHVKNATMGYLTSSL
STKLIPAIYLLVFVVGVPANAVTLWMLFFRTRSICTTVFYTNLAIADFLFCVTLPFKIAYHLNGNNWVFG
EVLCRATTVIFYGNMYCSILLLACISINRYLAIVHPFTYRGLPKHTYALVTCGLVWATVFLYMLPFFILK
QEYYLVQPDITTCHDVHNTCESSSPFQLYYFISLAFFGFLIPFVLIIYCYAAIIRTLNAYDHRWLWYVKA
SLLILVIFTICFAPSNIILIIHHANYYYNNTDGLYFIYLIALCLGSLNSCLDPFLYFLMSKTRNHSTAYL
TK

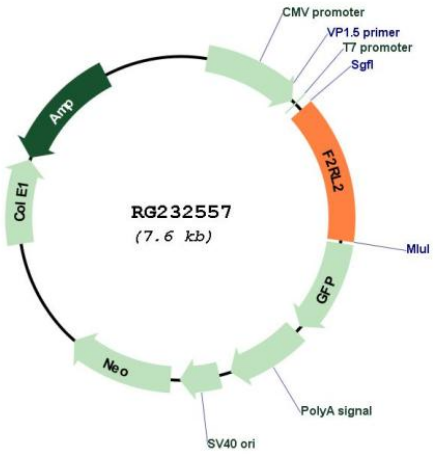
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001256566

ORF Size:	1056 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_001256566.2
RefSeq Size:	3295 bp
RefSeq ORF:	1059 bp
Locus ID:	2151
UniProt ID:	O00254
Cytogenetics:	5q13.3
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]