

Product datasheet for SC116867

PAR2 (F2RL1) (NM_005242) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PAR2 (F2RL1) (NM_005242) Human Untagged Clone
Tag:	Tag Free
Symbol:	PAR2
Synonyms:	GPR11; PAR2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116867 sequence for NM_005242 edited (data generated by NextGen Sequencing)

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ATGCGGAGCCCCAGCGCGCGTGGCTGCTGGGGCCGCCATCCTGCTAGCAGCCTCTCTC
TCCTGCAGTGGCACCATCCAAGGAACCAATAGATCCTCTAAAGGAAGAAGCCTTATTGGT
AAGGTTGATGGCACATCCACGTCACCTGAAAAGGAGTTACAGTTGAAACAGTCTTTTCT
GTGGATGAGTTTTCTGCATCTGCTCACTGAAAAGTACCCTGTCTTCTTCCAATT
GTCTACACAATTGTGTTGTGGTGGTTTGCCAAGTAACGGCATGGCCCTGTGGTCTTT
CTTTCCGAACTAAGAAGAAGCACCTGCTGTGATTTACATGGCCAATCTGGCCTGGCT
GACCTCCTCTCTGTCATCTGGTTCCCTTGAAGATTGCCTATCACATACATGGCAACAAC
TGGATTTATGGGAAGCTCTTTGTAATGTGCTTATTGGCTTTTTCTATGGCAACATGTAC
TGTTCCATTCTTTCATGACCTGCCTCAGTGTGCAGAGGTATTGGGTATCGTGAACCCC
ATGGGGCACTCCAGGAAGAAGGCAACATTGCCATTGGCATCTCCCTGGCAATATGGCTG
CTGATTCTGCTGGTCACCATCCCTTTGTATGTCGTGAAGCAGACCATCTTCATTCCTGCC
CTGAACATCACGACCTGTGATGTTTTGCCTGAGCAGCTCTTGGTGGGAGACATGTTT
AATTACTTCTCTCTCTGGCCATTGGGGTCTTTCTGTTCCAGCCTTCTCACAGCCTCT
GCCTATGTGCTGATGATCAGAATGCTGCGATCTTCTGCCATGGATGAAAAGTACAGAGAAG
AAAAGGAAGAGGGCCATCAAACCTATTGTCACCTGCTGCTGCTGCTGCTGCTGCTGCTG
CATGCTATGCCCTGTACATTGAGCCCTCTGCCTCTCTACCTTAACAGCTGCATCGAC
CCCTTTGTCTATTACTTTGTTTACATGATTTTCAGGGATCATGCAAGAAGCCTCTCCTT
TGCCGAAGTGTCCGCACTGTAAGCAGATGCAAGTATCCCTCACCTCAAAGAAACTCC
AGGAAATCCAGCTCTTACTCTTCAAGTTCAACCACTGTTAAGACCTCCTATTGA

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Clone variation with respect to NM_005242.4



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005242 unedited</p> <pre>TCTCTATAGGGCGGCCGGAATTCGGCACGAGGCTGCTCCTTCGGTTCCCTGAAACCTA ACCCGCCCTGGGGAGGCGCGCAGCAGAGGCTCCGATTCGGGGCAGGTGAGAGGCTGACTT TCTCTCGGTGCGTCCAGTGGAGCTCTGAGTTTCGAATCGGTGGCGGGGATTCCCCGCGC GCCCGCGTCGGGGCTCCAGGAGGATGCGGAGCCCCAGCGGGCGTGGCTGCTGGGGG CGCCATCCTGCTAGCAGCCTCTCTCTCCTGCAGTGGCACCATCCAAGGAACCAATAGATC CTCTAAAGGAAGAAGCCTTATTGGTAAGTTGATGGCACATCCCACGTCCTGGAAAAGG AGTTACAGTTGAAACAGTCTTTTCTGTGGATGAGTTTTCTGCATCTGCCTCACTGGAAA ACTGACCACTGTCTTCTTCCAATTGTCTACACAATTGTGTTTGGTGGGTTTGCCAAG TAACGGCATGGCCCTGTGGGTCTTTCTTTTTCGAACTAAGAAGAAGCACCCCTGCTGTGAT TTACATGGCCAATCTGGCCTTGGCTGACCTCCTCTCTGTCATCTGGCTCCCCTTGAAGAT TGCCTATCACATACATGGNCACCAACTGGATTTATGCGCGAAGCTCTTTGTAATGTGCTT ATTGGCTTTCTATGGCACCTGTACCTGTTCCATTCTTTCATGACCTGCCTCAGTGT GCAGAGGTATTGGTCTTCTGGAACCCCATGGGGCACTTACGNAGAAAGCCAACATT GCCCTTGGCATCTCCCTGCCAATATGGCCGCTTGATTCTGCTGGGCACCATCCCTTGGGA TGCCGGAAGCAGACCATTTNATTTCTGCCCTGAACATAACGACCTGTATGATGTTTTGC CTGACCATTCTGTGGAAGAAGCAGTCAAATACTTCTTTTGGCAACTGGGGCCTTTTG TTCCAACCTTTCTCACCCCTGCCTATGCCGGAGACACAAAGCGTGGATCTTT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005242 unedited</p> <pre>TTGGCCGCGCCGCATTTTANATCGAGTTTTTTTTTTTTTTTTTTTTAAGTTGTAAAAAAT TTTGTATTTATAAATCAATTACACAATAAATAATTATTTTAAAAGTCACAAATACAA TCGTTGTATAAAGTCATTTTGGCATCAAGTATCTCTTAAATATGTTGCAAACTATTTTCC AAAGAGATGTGGTCCAAACCCCTCTGAAGCTTTATAATTTTGTATTAGATAACAAGTGAA CAAAACTGACAATAAATACTCCAACAATTATTTTTTAAAATACTAAGTGGCAAAATGCTAT TCTAAGTGGCAAAACAATCTATTACTCAGACTACCTGAAAATTTCACTGAAGTCATCAAA AGTTATACAAAATTTGTATTTACATGTTTAAAATCCTGATTGCATTTTTCTTTAATAATA ATACATACAAAAACTCAGAGGGTTAATAAAGAAATAATTCAAAGTCTAATAAGTCAACA AACAGATTTTATTATAAGCTGAACATAAAAGAGACACCATTGTTTGCTTCTTTTTCAA AATTATCACGGCACTTTGTCAAATGGAAGCAGCATTGAGAACAATGGTTCTCANATCTCT GTGTGCATAAACACCATGCAGGTTTGTACCACACAGATTCTGNGCCCTGTTCCCACTCT GAGCTCTCATTATTGAATCTGAGGAATCTGCATTNTGAAACAAGATCACGACTATTTTAT TTTATTTTATCACCCACGCTGGAGTGCAGTGGTGAATCTCGGTTCACTGCACCCTCTGC CTCCTGAGTTAAAGTGATACTCAATTCTGTGCCTCAGCCTCCTGAGTAACTGGGATTAC AAACGTGCACCACACCTGGTTAACTTTTGTATTTTAGNAAAGATGAGTTTCCCATGA TGCCAGCTGGCCTCGACTCCTGACTCAGTGATGCCTGCCTCACCTCCAAGGCTAGGAT ACAGCTGAGCACCGACCCG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_005242
Insert Size:	2940 bp
OTI Disclaimer:	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).
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:	<ol style="list-style-type: none">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:	<u>NM_005242.3</u> , <u>NP_005233.3</u>
RefSeq Size:	2876 bp
RefSeq ORF:	1194 bp
Locus ID:	2150
UniProt ID:	<u>P55085</u>
Cytogenetics:	5q13.3
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	<p>This gene encodes a member of the G-protein coupled receptor 1 family of proteins. The encoded cell surface receptor is activated through proteolytic cleavage of its extracellular amino terminus, resulting in a new amino terminus that acts as a tethered ligand that binds to an extracellular loop domain. Activation of the receptor has been shown to stimulate vascular smooth muscle relaxation, dilate blood vessels, increase blood flow, and lower blood pressure. This protein is also important in the inflammatory response, as well as innate and adaptive immunity. [provided by RefSeq, Jun 2016]</p>