

Product datasheet for **SC322345**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for SC322345
TGA AACCTAACCCGCCCTGGGGAGGCGCGCAGCAGAGGCTCCGATTCGGGGCAGGTGAGA
GGCTGACTTTCTCTCGGTGCGTCCAGTGGAGCTCTGAGTTTGAATCGGCGGGCGGGAT
TCCCCGCGCGCCCGGCGTGGGGCTCCAGGAGGATGCGGAGCCCCAGCGCGCGTGGCT
GCTGGGGGCCCATCCTGCTAGCAGCCTCTCTCTCTGAGTGGCACCATCCAAGGAAC
CAATAGATCCTCTAAAGGAAGAAGCCTTATTGGTAAGGTTGATGGCACATCCCACGTAC
TGGAAAAGGAGTTACAGTTGAAACAGTCTTTTCTGTGGATGAGTTTTCTGCATCTGTCCT
CACTGGAAAACACTGACCACTGTCTTCCCTTCCAATTGTCTACACAATTGTGTTTGTGGTGGG
TTTGCCAAGTAACGGCATGGCCCTGTGGGTCTTTCTTTTCCGAAC TAAGAAGAAGCACCC
TGCTGTGATTTACATGGCCAATCTGGCCTTGGCTGACCTCCTCTGTCTCATCTGGTTCCC
CTTGAAGATTGCCTATCACATACATGGCAACAACCTGGATTTATGGGGAAGCTCTTTGTAA
TGTGCTTATTGGCTTTTCTATGGCAACATGACTGTTCCATTCTTTCATGACCTGCCT
CAGTGTGCAGAGTATTGGGTACGTAACCCCATGGGCACTCCAGGAAGAAGGCAAA
CATTGCCATTGGCATCTCCCTGGCAATATGGCTGCTGATTCTGCTGGTACCATCCCTTT
GTATGTCGTGAAGCAGACCATCTTCATTCTGCCCTGAACATCAGACCTGTCATGATGT
TTTGCCTGAGCAGCTCTTGGTGGGAGACATGTTCAATTACTTCCCTCTCTGCGCCATTGG
GGTCTTTCTGTTCCAGCCTTCCCTCACAGCCTCTGCCTATGTGCTGATGATCAGAATGCT
GCGATCTTCTGCCATGGATGAAAACCTCAGAGAAGAAAAGGAGGGCCATCAAACCTCAT
TGTCTCTGTCTGGCCATGTACCTGATCTGCTTCACTCCTAGTAACCTTCTGCTTGTGGT
GCATTATTTTCTGATTAAGAGCCAGGGCCAGAGCCATGTCTATGCCCTGTACATTGTAGC
CCTCTGCCTCTCTACCTTAACAGCTGCATCGACCCCTTGTCTATTACTTTGTTTCA
TGATTTTCAAGGATCATGCAAAGAACGCTCTCCTTTGCCGAAGTGTCCGCACTGTAAGCA
GATGCAAGTATCCCTCACCTCAAAGAACTCCAGGAAATCCAGCTCTTACTCTTCAAG
TTCAACCACTGTTAAGACCTCCTATTGAGTTTTCCAGGTCTCAGATGGGAATTGCACAG
TAGGATGTGGAACCTGTTAATGTTATGAGGACGTGTCTGTTATTTCTAATCAAAAAGG
TCTCACACATACCATGTGGATGCAGCACCTCTCAGGATTGCTAGGAGCTCCCCTGTTTG
CATGAGAAAAGTAGTCCCCCAAATTAACATCAGTGTCTGTTTCAAGATCTCTCTACTCAG
ATGACCCAGAACTGAACCAACAGAAGCAGACTTTTCAAGATGGTGAAGACAGAAAC
CCAGTAACTTGCAAAAAGTAGACTTGGTGTGAAGACTCACTTCTCAGCTGAAATATATA
TATACACATATATATATTTTACATCTGGGATCATGATAGACTTGTAGGGCTTCAAGGCC
CTCAGAGATGATCAGTCCAACCTGAACGACCTTACAATGAGGAAACCAAGATAAATGAGC
TGCCAGAATCAGTGTTCATCAACAGCAGTGTGTTGGGATTGGACAGTGAATTTCAAT
GTCCAGTGAGTGAGGTTCTGTACCACTTCATCAAAATCATGGATCTTGGCTGGGTGCGG
TGCCCTCATGCCTGTAATCCTAGCACTTTGGGAGGCTGAGGCAGGCAATCACTTGAAGTCA
GGAGTTCGAGACCAGCCTGGCCATCATGGCGAAACCTCATCTCTACTAAAAATACAAAAG
TTAACCAGGTGTGTGGTGCACGTTTGAATCCCAGTACTCAGGAGGCTGAGGCACAAGA
ATTGAGTATCACTTAACTCAGGAGGCAGAGGTTGCAGTGAGCCGAGATTGCACCACTGC
ACTCCAGCTTGGGTGATAAAAATAAAATAAAATAGTCGTGAATCTTGTTCAAAATGCAGAT
TCCTCAGATTCATAATGAGAGCTCAGACTGGGAACAGGGCCAGGAATCTGTGTGGTAC
AAACCTGCATGGTGTATGACACACAGAGATTTGAGAACCATTGTTCTGAATGCTGCTTC
CATTTGACAAAAGTGCCGTGATAATTTTTGAAAAGAGAAGCAAACAATGGTGTCTCTTTTA
TGTTTCACTTATAATGAAATCTGTTTGTGACTTATTAGGACTTTGAATTTCTTTAT
TAACCCTCTGAGTTTTTGTATGATTATTATAAAGAAAATGCAATCAGGATTTTAAAC
ATGTAATAACAAATTTTGTATAACTTTTGTGACTTCACTGAAATTTTCAAGTGTCTGA
GTAATAGATTGTTTTGCCACTTAGAATAGCATTGGCCACTTAGTATTTAAAAATAAAT
GTTGGAGTATTTATTGTCAGTTTTGTTCACTTGTATCTAATACAAAATATAAAGCCTT
CAGAGGGTTTGGACCACATCTCTTTGAAAATAGTTTGAACATATTTAAGAGATACTTG
ATGCCAAAATGACTTTATACAACGATTGATTTGTGACTTTTAAAAATAATTTTATT
GTGTAATTTGATTTATAAATAACAAAATTTTTTTTACAACCTTAAAAAAAAAAAAAAAA
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Restriction Sites:

Please inquire

ACCN:	NM_005242
Insert Size:	1194 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_005242.3 , NP_005233.3
RefSeq Size:	2876 bp
RefSeq ORF:	1194 bp
Locus ID:	2150
UniProt ID:	P55085
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 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]