

Product datasheet for **SC322739**

Prostaglandin I2 Receptor (PTGIR) (NM_000960) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prostaglandin I2 Receptor (PTGIR) (NM_000960) Human Untagged Clone
Tag:	Tag Free
Symbol:	Prostaglandin I2 Receptor
Synonyms:	IP; PRIPR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322739
 GGCAGCGAGAGACACGAGGAGCAAAGCAAGTGAAGGCACAGACGGGACAGGAGAGC
 CTGGGCAAGACTGGAGAGCCCAGACCTGGGATGGCGGATTCTGTCAGGAACCTCACCTAC
 GTGCGGGGCTCGGTGGGGCCGGCCACCAGCACCTGATGTTCTGTGGCCGGTGTGGTGGGC
 AACGGGCTGGCCCTGGGCATCCTGAGCGCACGGCGACGGCGCGCCCTCGGCCCTTCGCG
 GTGCTGGTCAACGGACTGGCGGCCACCGACCTGCTGGGCACAGCTTCTGAGCCCGGCC
 GTGTTCTGGCCATGCGCGCAACAGCTCCCTGCTGGGCCTGGCCCGAGGCGGCCCGCC
 CTGTGCGATGCCTTCGCCTTCGCCATGACCTTCTTCGGCCTGGCGTCCATGCTATCCTC
 TTTGCCATGGCCGTGGAGCGCTGCTGGCGCTGAGCCACCCCTACCTCTACGCGCAGCTG
 GACGGGCCCGCTGCGCCCGCTGGCGCTGCCAGCCATCTACGCCTTCTGCGTCTCTTC
 TGC GCGTGCCTGCTGGGCTGGGCAACACCAGCAGTACTGCCCCGCGAGCTGGTGC
 TTCCTCCGCATGCGCTGGGCCAGCCGGGCGGCGCCGCTTCTGCTGGCTACGCCGCGC
 CTGGTGGCCCTGCTGGTGGCTGCCATCTTCTCTGCAACGGCTCGGTACCCTCAGCCTC
 TGCCGCATGTACCGCCAGCAGAAGCGCCACCAGGGCTCTCTGGGTCCACGCCGCGCACC
 GGAGAGGACGAGGTGGACCACCTGATCCTGCTGGCCCTCATGACAGTGGTCATGGCCGTG
 TGCTCCCTGCCTCTACGATCCGCTGCTTACCAGGCTGTGCCCTGACAGCAGCAGT
 GAGATGGGGACCTCCTTGCCTTCCGCTTCTACGCCTTCAACCCCATCTGGACCCTGG
 GTCTTTCATCCTTTCCGCAAGGCTGTCTTCCAGCGACTCAAGCTCTGGGTCTGCTGCCTG
 TGCCCTCGGGCCTGCCACGGAGACTCGCAGACACCCCTTCCAGCTCGCTCCGGGAGG
 AGGGACCAAGGGCCCTCTGCTCCTGTGGGAAAGGAGGGGAGCTGCGTGCCTTTGTGCG
 GCTTGGGGCGAGGGGAGGTGGAGCCCTTGCCCTCCACACAGCAGTCCAGCGGCAGCGCC
 GTGGGAACGTGTCCTCAAGCAGAAGCCAGCGTGCCTGCTCCCTGCTGACATTTCAAG
 CTGACCCTGTGATCTCTGCCCTGTCTTGGGGCGACAGGAGCCAGAAAATCAGGGACATGG
 CTGATGGCTGCGGATGCTGGAACCTTGGCCCCAAACTCTGGGGCCGATCAGCTGCTGTT
 TCTCTGCGGCAGGGCAGTGCCTGCTGGCTCTGGGAAGAGAGTGAAGGACAGAGGAAACG
 TTTATCTGGAGTGCAGAAAGAATGGTTCTCTCAAATAACCAAGTGGCCTGGCCGACCTG
 CTCTGGCCCTGGATTCCCATCCATCTCATTGTCTAAATATTTAGAAGGCGGAGAAGTTC
 CCAGAGGCTTCTGTACAGTCAGGTCTGCTCTGGTCTGGGTGCTGGCTCCAATCTGCGTCC
 ACTTAGGAGGCCAACTGCCACCCCAAGTCCCAGGGGATGGCCCTCCCCTCTACCAA
 GCCACTCAAGAGCCAGCCCTTCTGCTCCACAAAAACACAGTATTGGAAAAGCTCC
 CTGCCCTCCCTTGCCTGGTCCCCACCAGGCTTGGGAGCCCTGGCATCCCAAAGGGGC
 AACGGGAGGAAGGGGAGGCTGCTGCATTGTGGGTGATGACGTAGGACATGTGCTTGGTAC
 AAAAAGGGCCTGAGACATTCCACCTAGCTTACTGGCTGCAAGATGAGAAGTGGGGGGGG
 TGCAGGTGGTGGGGAGACAGATGGAGAAGCTGGCAGATGAAGGTTGGGGCTGCGGATCC
 CAGGGACTGCCCCAGAACACAAACCAAGTCTGTGCCTGTCCCCAGGGTCTGAATAAA
 TAAAAGCTCCTTGCAGAAA
 AA

Restriction Sites: Please inquire

ACCN: NM_000960

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:	<u>NM_000960.3</u> , <u>NP_000951.1</u>
RefSeq Size:	2103 bp
RefSeq ORF:	1161 bp
Locus ID:	5739
UniProt ID:	<u>P43119</u>
Cytogenetics:	19q13.32
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction, Vascular smooth muscle contraction
Gene Summary:	The protein encoded by this gene is a member of the G-protein coupled receptor family 1 and has been shown to be a receptor for prostacyclin. Prostacyclin, the major product of cyclooxygenase in macrovascular endothelium, elicits a potent vasodilation and inhibition of platelet aggregation through binding to this receptor. [provided by RefSeq, Jul 2008]