

Product datasheet for **SC322681**

PAF Receptor (PTAFR) (NM_000952) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PAF Receptor (PTAFR) (NM_000952) Human Untagged Clone
Tag:	Tag Free
Symbol:	PAF Receptor
Synonyms:	PAFR
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 SC322681
 TTGCCAGACAGCATAGAGGCTGAGGCTGGGGCCAGGACCCAGACAGAGACACACGGTCCAC
 TGCAGCTGAAGCCGCTGCCCTGCTACAGGCACCACCAGGACCAGCTGATCATTCCAGCC
 CACAGCAATGGAGCCACATGACTCCTCCACATGGACTCTGAGTTCGGATACACTCTCTT
 CCCGATTGTTTACAGCATCATCTTTGTGCTCGGGGTCATTGCTAATGGCTACGTGCTGTG
 GGTCTTTGCCCGCTGTACCCTTGCAAGAAATCAATGAGATAAAGATCTTCATGGTGAA
 CCTCACCATGGCGACATGCTCTTCTTGATCACCTGCCACTTTGGATTGTCTACTACCA
 AAACCAGGGCAACTGGATACTCCCAAATTCCTGTGCAACGTGGCTGGCTGCCTTTTCTT
 CATCAACACCTACTGCTCTGTGGCCTTCTGGCGTCATCACTTATAACCCTTCCAGGC
 AGTAACTCGGCCATCAAGACTGCTCAGGCCAACACCCGCAAGCGTGGCATCTCTTTGTC
 CTTGGTCACTGGGTGGCCATTGTGGGAGCTGCATCCTACTTCTCATCCTGGACTCCAC
 CAACACAGTGCCCGACAGTGTGGCTCAGGCAACGTCACTCGTCTTTGAGCATTACGA
 GAAGGGCAGCGTGCCAGTCTCATCCACATCTTCATCGTGTTCAGCTTCTTCTGGT
 CTTCTCATCATCTCTTCTGCAACCTGGTCATCATCCGTACCTTGTCTATGCAGCCGGT
 GCAGCAGCAGCGAACGCTGAAGTCAAGCGCCGGGCGCTGTGGATGGTGTGCACGGTCTT
 GGCGGTGTTTCATCATCTGCTTCGTGCCACCACGTGGTGCAGCTGCCCTGGACCCTTGC
 TGAGCTGGGCTTCCAGGACAGCAAATTCACCAGGCCATTAATGATGCACATCAGGTCAC
 CCTCTGCCTCCTTAGCACCAACTGTGTCTTAGACCCTGTTATCTACTGTTTCTCACCAA
 GAAGTTCGCAAGCACCTCACGAAAAGTTCTACAGCATGCGCAGTAGCCGGAATGCTC
 CCGGGCCACCACGGATACGGTCACTGAAGTGGTTGTGCCATTCAACCAGATCCCTGGCAA
 TTCCCTCAAAAATTAGTCCCTGCTTCCAGGCTGAAGTCTTCTCTCCATGAACATCATG
 GACTGAGCTGGGGGAAGAAGGGATCTACTGTGGTCTGGGCACCACCTCTGTGGGCACT
 GGTGGGCATTAGATTTGGAGGCTACCTCACCTGGCAGGGATGATGGCAGAGCCAGGCT
 GTTGAAAATCCAGAACTCAAATGAGCCCTTCATCCGCCTGTGGGCGCATACTACAGTA
 ACTGTGACTGATGACTTTATCCTGAGTCCCTTAATCTTATGGGGCCGGAAGGAATGTCAG
 GGCCAGGTGCAGACCTTGGGGGAAGACTTTAAACCACCTAGTTTCTCCCCGATGGGGCATC
 GGTCTAAAGCTTTGGGGAGTGGGCGCAGTGGCTCACACCTGTAATCCCAGCACTTTGGG
 AGGCCGAGGTGGGAGATCATGGGTCAAGAGATCGAGACCATCTGGCCAACATTGTAAA
 ACCCCATCTCTACTAAAACATACAAAAATTAGCCGGGCATGGTGGCACACGCCTGTAGTC
 CCAGCTACTCAGGAGGCTGAGGCAGGAGAATCGCTTGAACCTGGGAGGCAGAGGTTGCAG
 TGAACCTAGATTGCACCATGCACTCTAGCCTGGCAACAGAGCGAGATTCCATCTCAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_000952

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_000952.3 , NP_000943.1
RefSeq Size:	1822 bp
RefSeq ORF:	1029 bp
Locus ID:	5724
UniProt ID:	P25105
Cytogenetics:	1p35.3
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Calcium signaling pathway, Neuroactive ligand-receptor interaction
Gene Summary:	<p>This gene encodes a seven-transmembrane G-protein-coupled receptor for platelet-activating factor (PAF) that localizes to lipid rafts and/or caveolae in the cell membrane. PAF (1-0-alkyl-2-acetyl-sn-glycero-3-phosphorylcholine) is a phospholipid that plays a significant role in oncogenic transformation, tumor growth, angiogenesis, metastasis, and pro-inflammatory processes. Binding of PAF to the PAF-receptor (PAFR) stimulates numerous signal transduction pathways including phospholipase C, D, A2, mitogen-activated protein kinases (MAPKs), and the phosphatidylinositol-calcium second messenger system. Following PAFR activation, cells become rapidly desensitized and this refractory state is dependent on PAFR phosphorylation, internalization, and down-regulation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011]</p> <p>Transcript Variant: This variant (3) lacks the 5' exon, but has an alternate 5' segment, as compared to variant 1. Variants 1-4 encode the same protein. 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.</p>