

Product datasheet for **SC220383**

PTGS1 (NM_080591) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PTGS1 (NM_080591) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PTGS1
Synonyms:	COX1; COX3; PCOX1; PES-1; PGG/HS; PGHS-1; PGHS1; PHS1; PTGHS
ACCN:	NM_080591
Insert Size:	2000 bp



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Insert Sequence: >SC220383 3'UTR clone of NM_080591
The sequence shown below is from the reference sequence of NM_080591. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCTGTGGAGCGACCATCCACAGAGCTCTGAGGGGAGGAAAGCAGCATTCTGGAGGGGAGAGCTTTGTG
CTTGTCATTCCAGAGTGCTGAGGCCAGGGCTGATGGTCTTAAATGCTCATTCTTTCTGGTTTGGCATGGTG
AGTGTGGGGTTGACATTTAGAAGTTAAGTCTCACCCATTATCTGGAATATTGTGATTCTGTTTATTC
TTCCAGAATGCTGAACTCCTTGTAGCCCTTCAGATTGTTAGGAGTGGTCTCATTGGTCTGCCAGAA
TACTGGGTTCTTAGTTGACAACCTAGAATGTCAGATTTCTGGTTGATTTGTAACACAGTCATTCTAGGA
TGTGGAGCTACTGATGAAATCTGCTAGAAAGTTAGGGGTTCTTATTTTGCATTCCAGAATCTTGACTT
TCTGATTGGTGATTCAAAGTGTGTGTTCTGGCTGATGATCCAGAACAGTGGCTCGTATCCCAAATCT
GTCAGCATCTGGCTGTCTAGAATGTGGATTTGATTCATTTTCTGTTTCAGTGAGATATCATAGAGACGG
AGATCCTAAGGTCCAACAAGAATGCATTCCCTGAATCTGTGCCTGCACTGAGAGGGCAAGGAAGTGGGG
TGTTCTTCTTGGGACCCCACTAAGACCCTGGTCTGAGGATGTAGAGAGAACAGGTGGGCTGATTCAC
GCCATTGGTTGGAAGCTACCAGAGCTCTATCCCATCCAGGTCTTGACTCATGGCAGCTGTTTCTCATG
AAGCTAATAAAATTCGCTTTCTAAAGTTACCTGTTATATATCTCTTTTGGTCCCATCCTCTAAAGCAGA
GGCAACACTGGAACATGGCTAGCCTTTCTGTAGCCATGGCTGGGCGTGTAGAGTTGCAGCATGAGA
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GGGCCAGGCACTGCCCTTTTCAGGAAGCTCTCTAAAATACCCATTGCCCCAGACCTGGAAGATATAAC
ATTCAGTCCCACCATCTGATTAACAACCTCCTCCCTTACAGAGCATACAACAGAGGGGGCACCCGG
GGAGGAGAGCACATACTGTGTTCCAATTTACGCTTTTAATTCTCATTGTTTCTCACACCAACAGTGTG
AAGTGCCTGGTATAATCTCCATTTCAAAACCAAGGAAGCAGCCTCAGAGTGGTTCGAGTGACACACCTCA
CGCAGGCTGAGTCCAGAGCTTGTGCTCCTCTTGATTCTGGTTTACTCAGTTCCAGGCCTGATCTTGC
CTGTCTGGCTCAGGGTCAAAGACAGAATGGTGGAGTGTAGCCTCCACCTGATATTCAGGCTACTCATTC
AGTCCCAAATATGATTTTCTAAGTGTTACTATGTGCCAGTTCCTGTAACAGGTGTGGGGACACAGC
AGTGAGTAATCAATACAGACAAGTTCTGCCCTTATGGAGCTCACACTCCAGTGGCAGACAAACAGACC
ATAAATAAGGAAACGATGAAATAAGATATATAAAGGTGAGTGTGACTTCCTTTCAACCCCTCTGCT
CTGTCTCCCTATTGCGCTCTCAAGACCAGAGACCCAAACAGCAGTGTCTCAGGCAGACAGCCCTCC
ACTCCAGCTCTGAGACCTTTTCTCAGGACCTCTGTAGGCAGCAGAGAGAGAGGACAGAGGGGTAAGAT
GAGGGGTTGAGGGAAGGTTCTTCATGATCCACACTTTGGGCTTAGTATTCTCAGGAAGAGCTATGGCC
CAGAAACAACAGGGGAACTAGAGTTCCGTCTGACAGTCTTGGGGTAAAGTCTCCTGTCTTATGGTCC
AGAAACTCCTGTTTCTCCTTAGTTGGCTGGAACTGCTCCCATCATTCCTTCTGGCCTCTGCTGAATGC
AGGGAATGCAATCCTTCCTGCTTTCAGTGTCTGACGTAGAAAGATCCTTCGGGTGCTGGAAGT
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_080591.3](#)

Summary:

This is one of two genes encoding similar enzymes that catalyze the conversion of arachinodate to prostaglandin. The encoded protein regulates angiogenesis in endothelial cells, and is inhibited by nonsteroidal anti-inflammatory drugs such as aspirin. Based on its ability to function as both a cyclooxygenase and as a peroxidase, the encoded protein has been identified as a moonlighting protein. The protein may promote cell proliferation during tumor progression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]

Locus ID:

5742

MW:

75