

Product datasheet for **SC219115**

COX2 (PTGS2) (NM_000963) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	COX2 (PTGS2) (NM_000963) Human 3' UTR Clone
Symbol:	PTGS2
Synonyms:	COX-2; COX2; GRIPGHS; hCox-2; PGG/HS; PGHS-2; PHS-2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000963
Insert Size:	2559 bp



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Insert Sequence:

>SC219115 3' UTR clone of NM_000963

The sequence shown below is from the reference sequence of NM_000963. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site
Blue=Stop Codon

CAATTGGCAGAGCTCAGAATTCAA**GCGATCGC**

ACGTTCTGACTGAACTGT**AG**AAGTCTAATGATCATATTTATTTATTTATATGAACCATGTCTATTAATTTA
ATTATTTAATAATATTTATATTAAACTCCTTATGTTACTTAACATCTTCTGTAACAGAAGTCAGTACTCC
TGTTGCGGAGAAAGGAGTCATACTTGTGAAGACTTTTTATGTCACTACTCTAAAGATTTTGCTGTTGCTGT
TAAGTTTGAAAAACAGTTTTTATTCTGTTTTATAAACCAGAGAGAAATGAGTTTTGACGCTTTTTACTT
GAATTTCAACTTATATTATAAGAACGAAAGTAAAGATGTTTGAATACTTAAACACTGTCACAAGATGGCA
AAATGCTGAAAGTTTTACACTGTCGATGTTCCAATGCATCTCCATGATGCATTAGAAGTAACTAATG
TTTGAAATTTTAAAGTACTTTTTGGTTATTTTTCTGTCATCAAAACAAAAACAGGTATCAGTGCATTATTA
ATGAATATTTAAATTAGACATTACCAGTAATTTTCATGTCTACTTTTTAAATCAGCAATGAAACAATAAT
TTGAAATTTCTAAATTCATAGGGTAGAATCACCTGTA AAAAGCTTGTTTGATTTCTTAAAGTTATTA AACT
TGTACATATACAAAAAGAAGCTGCTTGGATTTAAATCTGTA AAAATCAGTAGAAAATTTACTACAATTG
CTTGTTAAAATATTTTATAAGTGATGTTCTTTTTCCACCAAGAGTATAAACCTTTTTAGTGTGACTGTTA
AAACTTCTTTTTAAATCAAAATGCCAAATTTATTAAGTGGTGGAGCCACTGCAGTGTATCTTAAAATA
AGAATATTTTGTGAGATATCCAGAATTTGTTTATATGGCTGGTAACATGTA AAAATCTATATCAGCAAA
AGGGTCTACCTTTAAAATAAGCAATAACAAAGAAGAAAACCAATTTATGTTCAAATTTAGGTTTAACT
TTTGAAGCAAACTTTTTTTATCCTTGTGCACTGCAGGCCTGGTACTCAGATTTTGCTATGAGGTTAATG
AAGTACCAAGCTGTGCTTGAATAATGATATGTTTTCTCAGATTTTCTGTTGTACAGTTTTAATTTAGCAGT
CCATATCACATTGCAAAAAGTAGCAATGACCTCATAAAAATACCTCTTCAAATGCTTAAATTCATTTCA
CATTAATTTTATCTCAGTCTTGAAGCCAATTCAGTAGGTGCATTGGAATCAAGCCTGGCTACCTGCATGC
TGTTCTTTTTCTTTTTCTTTTTAGCCATTTTGCTAAGAGACACAGTCTTCTCATCACTTCGTTTCTCT
ATTTTGTTTTACTAGTTTTAAGATCAGAGTTCACCTTCTTTGGACTCTGCCTATATTTTCTTACCTGAAC
TTTTGCAAGTTTTCAGGTA AACCTCAGCTCAGGACTGCTATTTAGCTCCTTAAAGAAGATTA AAAAGAGA
AAAAAAAAGGCCCTTTTAAAATAGTATACACTATTTTAAAGTAAAAGCAGAGAATTTTATTTATAGCT
AATTTTAGCTATCTGTAACCAAGATGGATGCAAAAGAGGCTAGTGCCTCAGAGAGA AACTGTACGGGTTTG
TGACTGAAAAAGTTACGTTCCATTCTAATTAATGCCCTTTCTTATTTAAAAACAAAACCAATGATAT
CTAAGTAGTTCTCAGCAATAATAATAATGACGATAAATACTTCTTTTCCACATCTCATTGTCACTGACATT
TAATGGTACTGTATTACTTAATTTATTGAAGATTATTTTATGTCTTATTAGGACACTATGGTTATA
AACTGTGTTTAAAGCCTACAATCATTGATTTTTTTTTGTTATGTCACAATCAGTATATCTTCTTTGGGGT
ACCTCTCTGAATATTATGTAAACAATCCAAAGAAATGATTGTATTAAGATTTGTGAATAAATTTTAGAA
ATCTGATTGGCATATTGAGATATTTAAGGTTGAATGTTTGTCTTAGGATAGGCCTATGTGCTAGCCAC
AAAGAATATTGTCTCATTAGCCTGAATGTGCCATAAGACTGACCTTTTAAAATGTTTTGAGGGATCTGTG
GATGCTTCGTTAATTTGTTTCAGCCACAATTTATTGAGAAAATATTCTGTGTCAAGCACTGTGGGTTTTAA
TATTTTTAAATCAAACGCTGATTACAGATAATAGTATTTATATAAATAATTGAAAAAATTTTCTTTTTGG
GAAGAGGGAGAAAATGAAATAAATATCATTAAAGATAACTCAGGAGAATCTTCTTTACAATTTTACGTTT
AGAATGTTTAAAGTTAAGAAAAGAAATAGTCAATATGCTTGTATAAAAACACTGTTCACTGTTTTTTTTAA
AAAAAACTTGATTTGTTATTAACATTGATCTGCTGACAAAACCTGGGAATTTGGGTTGTGTATGCGAAT
GTTTCAGTGCCTCAGACAAATGTGTATTTAACTTATGTA AAAAGATAAGTCTGGAATAAATGTCTGTTT
TTTTGTACTATTTAAAAATTGACAGATCTTTTCTGAAG

ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCG

Restriction Sites:

Sgfl-Mlul

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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_000963.2
Summary:	Prostaglandin-endoperoxide synthase (PTGS), also known as cyclooxygenase, is the key enzyme in prostaglandin biosynthesis, and acts both as a dioxygenase and as a peroxidase. There are two isozymes of PTGS: a constitutive PTGS1 and an inducible PTGS2, which differ in their regulation of expression and tissue distribution. This gene encodes the inducible isozyme. It is regulated by specific stimulatory events, suggesting that it is responsible for the prostanoid biosynthesis involved in inflammation and mitogenesis. [provided by RefSeq, Feb 2009]
Locus ID:	5743