

Product datasheet for **SC213630**

Prostaglandin E Synthase (PTGES) (NM_004878) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Prostaglandin E Synthase (PTGES) (NM_004878) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: PTGES
Synonyms: MGST-IV; MGST1-L1; MGST1L1; MPGES; mPGES-1; PGES; PIG12; PP102; PP1294; TP53112
ACCN: NM_004878
Insert Size: 1292 bp
Insert Sequence: >SC213630 3'UTR clone of NM_004878

The sequence shown below is from the reference sequence of NM_004878. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
ATCCTCTGGGAAGCGGCCCGCCACCTGTGACCAGCAGCTGATGCCTCCTTGGCCACCAGACCATGGGCC
AAGAGCCGCCGTGGCTATACCTGGGGACTTGATGTTCTTCCAGATTGTGGTGGGCCCTGAGTCCTGGT
TTCTGGCAGCCTGCTGCGCGTGTGGGTCTCTGGGCACAGTGGGCCTGTGTGTGTGCCCGTGTGTGTGT
ATGTGTGTGTGTATGTTTCTTAGCCCTTGATTCTGCACGAAGTGGCTGATGGGAACCAATTTCAAGA
CAGATTGTGAAGATTGATAGAAAATCCTTCAGCTAAAGTAACAGAGCATCAAAAACATCACTCCCTCTC
CCTCCCTAACAGTGAAAAGAGAGAAGGGAGACTCTATTTAAGATCCCAAACCTAATGATCATCTGAAT
CCCGGGCTAAGAATGCAGACTTTTCAGACTGACCCAGAAATTCTGGCCAGCCAATCTAGAGGCAAGC
CTGGCCATCTGTATTTTTTTTTTCCAAGACAGAGTCTTGCTCTGTTGCCAAGCTGGAGTGAAGTGGT
ACAATCTGGCTCACTGCAGCCTCCGCTCCCGGTTCAAGCGATTCTCCCGCTCAGCCTCTGAGTAG
CTGGGATTACAGGCGGTATCACCATACCCAGCTAATTTTTGTATTTTAGTAGAGACGGGTTACCAT
GTTGCCAGGAGGTCTCGAACTCCTGGCTCAAGTGATCCACCGCCTCGGCCTCCCAAAGTGCTGGG
ATGACAGGCATGAATCACTGTGCTCAGCCACCATCTGGAGTTTTAAAAGGCTCCCATGTGAGTCCCTGT
GATGGCCAGGCCAGGGGACCCCTGCCAGTTCTCTGTGGAAGCAAGGCTGGGGTCTTGGGTTCTGTATG
GTGGAAGCTGGGTGAGCCAAGGACAGGGCTGGCTCCTCTGCCCCGCTGACGCTTCCCTTGCCGTTGGC
TTTGGATGTCTTTGCTGCAGTCTTCTCTGGCTCAGGTGTGGGTGGGAGGGGCCACAGGAAGCTCAG
CCTTCTCTCCAAAGTTTGAGTCCCTCCAAAGGCGAGTGGGTGGAGGACCGGGAGCTTTGGGTGACCA
GCCACTCAAAGGAACCTTCTGGTCCCTCAGTATCTTCAAGTTTGGAACTGCAATGTCCCCTTGAT
GGGGAATCCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT
CCGTGACCTGAGATGTGTGATTTTTAGTCATTAATGGAAGTGTCTGCCA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: Sgfl-Mlul



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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:	<u>NM_004878.5</u>
Summary:	The protein encoded by this gene is a glutathione-dependent prostaglandin E synthase. The expression of this gene has been shown to be induced by proinflammatory cytokine interleukin 1 beta (IL1B). Its expression can also be induced by tumor suppressor protein TP53, and may be involved in TP53 induced apoptosis. Knockout studies in mice suggest that this gene may contribute to the pathogenesis of collagen-induced arthritis and mediate acute pain during inflammatory responses. [provided by RefSeq, Jul 2008]
Locus ID:	9536
MW:	45.6