

## Product datasheet for **SC115976**

### **p23 (PTGES3) (NM\_006601) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	p23 (PTGES3) (NM_006601) Human Untagged Clone
Tag:	Tag Free
Symbol:	p23
Synonyms:	cPGES; P23; TEBP
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115976 sequence for NM_006601 edited (data generated by NextGen Sequencing) ATGCAGCCTGCTTCTGCAAAGTGGTACGATCGAAGGGACTATGTCTTCATTGAATTTTGT GTTGAAGACAGTAAGGATGTTAATGTAATTTTGAAAAATCCAACTTACATTCAGTTGT CTCGGAGGAAGTGATAATTTTAAGCATTAAATGAAATTGATCTTTTCACTGTATTGAT CCAAATGATTCCAAGCATAAAAGAACGGACAGATCAATTTTATGTTGTTACGAAAAGGA GAATCTGGCCAGTCATGGCCAAGGTTAACAAAAGAAAGGGCAAAGCTTAATTGGCTTAGT GTCGACTTCAATAATTGGAAAGACTGGGAAGATGATTCAGATGAAGACATGTCTAATTTT GATCGTTTCTCTGAGATGATGAACAACATGGGTGGTGTAGGATGTAGATTTACCAGAA GTAGATGGAGCAGATGATGATTCACAAGACAGTGTATGAAAAAATGCCAGATCTGGAG TAA  Clone variation with respect to NM_006601.5



[View online »](#)

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_006601 unedited  
 GCGGACGCGCAATTCGCACGAGGCCTCGTGCCGAATTCGGCACGAGGGCTCTTCCGCGC  
 GGTGCATTCTGGGGCCCGAGGTCGAGCCCGCCGCTGCCGCGTCGCTGAGGGAAGCGAG  
 AAGAGGCCGCGACCGGAGAGAAAAAGCGGAGTCGCCACCGGAGAGAAAGTCGACTCCCTAT  
 CTTAGCCGCGCCAGAGAGGCCCGCCACCAGTTCGCCCGTCCCCTGCCCGTTTACA  
 ATGCAGCCTGCTTCTGCAAAGTGGTACGATCGAAGGGACTATGTCTTCATTGAATTTTGT  
 GTTGAAGACAGTAAGGATGTTAATGTAATTTTGAAAAATCCAACTTACATTCAGTTGT  
 CTCGGAGGAAGTGATAATTTTAAGCATTAAATGAAATTGATCTTTTCACTGTATTGAT  
 CCAAATGATTCCAAGCATAAAAGAACGGACAGATCAATTTTATGTTGTTACGAAAAGGA  
 GAATCTGGCCAGTCATGGCCAAGGTTAACAAAAGAAAGGGCAAAGCTTAATTGGCTTAGT  
 GTCGACTTCAATAATTGGAAAGACTGGGAAGATGATTCAGATGAAGACATGTCTAATTTT  
 GATCGTTTCTGAGATGATGAACAACATGGGTGGTATGAGGATGTAGATTTACCAGAA  
 GTAGATGGAGCAGATGATGATTCACAAGACAGTATGATGAAAAAATGCCAGATCTGGAG  
 TAAGGAATATTGTCATCACCTGGATTTTGAGAAAGAAAAAATCTCTCTGCAAGATTTCA  
 TAATTGAGAGAATTCCTGAGTTGATAGCTCTNAAG

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_006601 unedited  
 TGGCACTTCCAGGGCCGNNAGCACTGGGGAGGGGTACAGGGATGCCACCCGGGATCT  
 GTTCAGGAAACAGCTATGACCGCGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTT  
 TAGTCTTCCAACAGTTTATTAGAAAGAATGTAGACATTTAAAAAATCCCCTGTCATG  
 AACATAAATTGAGGTTTTAGCCCGGTATAAGCTGAATCAAAAAAGGAAATAAAAAAT  
 CCAATAGTGTATTAACATTTTTCACTCATTGTCATACTGACAGTGCAAATACAATCT  
 GGACTAAATGTACAGACTCTCAAGCAACAATGTACAGCTTCTTCTGCTCCATGCTAAG  
 AGATGTAAGGCTTAAGGTTCAACAATACCAATTGTATAGGCTTCAAAAACCATCTAAG  
 TTAGGGCATTCTAGTTTTAGCTAAGATACACCTGGAACACTGCAAGTCATCATTAC  
 ATAGAATAATGTGAAGTAAATTTTTGAAAAATAATNTAGTGGAAACAATCCTGAAGGA  
 TAACACCAGAAGAATAGCAGGTTACCAGTAAGGTGTCAGCCAATTTGTTCCAGTCACTTT  
 TGAATCCATGTTCTATAATCTAAAAATTTATTCTTTCCCTAAGCTGAGAGCTTCTATC  
 ATGTCAGTATCTATGTTATGAAGAAAAGGAGACTTANGTGAGATGTTTTATTTATCGCA  
 ACTGCTGCATTATTTGCCTAGGACCTCAACAGCTTCATGAAAGTCGGGAAAATGTCATGC  
 ATAAGGTTATTGCCTTANCTGACTTANAATTGCCNATACATGGTACATATCAACCCTTA  
 AGGAAGCCTTTTAAAANCAAACGGTTGAAAAATGGGTAAGTANGCAAATACAGCTTTCT  
 GCCTTC

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_006601

**Insert Size:**

1500 bp

**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).

**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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_006601.4</a> , <a href="#">NP_006592.3</a>
<b>RefSeq Size:</b>	1490 bp
<b>RefSeq ORF:</b>	483 bp
<b>Locus ID:</b>	10728
<b>UniProt ID:</b>	<a href="#">Q15185</a>
<b>Cytogenetics:</b>	12
<b>Protein Families:</b>	Druggable Genome, Nuclear Hormone Receptor
<b>Gene Summary:</b>	<p>This gene encodes an enzyme that converts prostaglandin endoperoxide H2 (PGH2) to prostaglandin E2 (PGE2). This protein functions as a co-chaperone with heat shock protein 90 (HSP90), localizing to response elements in DNA and disrupting transcriptional activation complexes. Alternative splicing results in multiple transcript variants. There are multiple pseudogenes of this gene on several different chromosomes. [provided by RefSeq, Feb 2016]</p> <p>Transcript Variant: This variant (1) encodes isoform a.</p>