

## Product datasheet for **SC333864**

### **p23 (PTGES3) (NM\_001282601) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	p23 (PTGES3) (NM_001282601) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTGES3
Synonyms:	cPGES; P23; TEBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333864 representing NM_001282601. Blue=Insert sequence Red=Cloning site Green=Tag(s)

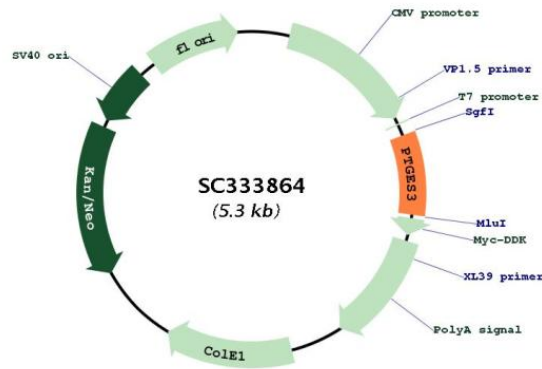
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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGCCTGCTTCTGCAAAGTGGTACGATCGAAGGGACTATGTCTTCATTGAATTTGTGTTGAAGAC
AGTAAGGATGTTAATGTAATTTTGAAAAATCCAACTTACATTCAGTTGTCTCGGAGGAAGTGATAAT
TTAAGCATTTAAATGAAATTGATCTTTTTCACTGTATTGATCCAATGATTCCAAGCATAAAAAGAACG
GACAGATCAATTTTATGTTGTTTACGAAAAGGAGAATCTGGCCAGTCATGGCCAAGGTTAACAAAAGAA
AGGGCAAAGCTTAATTGGCTTAGTGTGACTTCAATAATTGAAAAGACTGGGAAGATGATTCAGATGAA
GACATGTCTAATTTTATCGTTTCTCTGAGGATCACAAGACAGTGATGATGAAAAATGCCAGATCTG
GAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM\_001282601

Insert Size: 420 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).

Reconstitution Method:

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\\_001282601.1](https://www.ncbi.nlm.nih.gov/RefSeq/record/NM_001282601.1)

RefSeq Size:	1982 bp
RefSeq ORF:	420 bp
Locus ID:	10728
UniProt ID:	<a href="#">Q15185</a>
Cytogenetics:	12
Protein Families:	Druggable Genome, Nuclear Hormone Receptor
MW:	16.5 kDa
Gene Summary:	<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 (2) lacks an alternate in-frame exon in the 3' coding region, compared to variant 1, resulting in an isoform (b) that is shorter than isoform a.</p>