

## Product datasheet for **RC235676**

### **p23 (PTGES3) (NM\_001282605) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** p23 (PTGES3) (NM\_001282605) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** PTGES3  
**Synonyms:** cPGES; P23; TEBP  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC235676 representing NM\_001282605  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

**ATGCAGCCTGCTTCTGCAAAGTGGTACGATCGAAGGGACTATGTCTTCATTGAATTTGTGTTGAAGACA  
GTAAGGATGTTAATGTAATTTTAAAAATCCAACTTACATTCAGTTGTCTCGGAGGAAGTGATAATTT  
TAAGCATTTAAATGAAATTGATCTTTTCACTGTATTGATCCAAATGATCCAAGCATAAAAAGACGGAC  
AGATCAATTTTATGTTGTTTACGAAAAGGAGAATCTGGCCAGTCATGGCCAAGGTTAACAAAAGAAAGGG  
CAAAGGATTCACAAGACAGTGATGATGAAAAAATGCCAGATCTGGAG**

**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:** >RC235676 representing NM\_001282605  
**Red=Cloning site Green=Tags(s)**

**MQPASAKWYDRRDYVFIIEFCVEDSKDVNVNFEKSKLTFSQLGGSDNFKHLNEIDL FHCIDPNDSKHKRDT  
RSILCCLRKGESGQSWPRLTKERAKDSQDSDEKMPDLE**

**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV**

**Restriction Sites:** Sgfl-MluI



[View online »](#)



<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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_001282605.2</a>
<b>RefSeq Size:</b>	1892 bp
<b>RefSeq ORF:</b>	330 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>MW:</b>	13.2 kDa
<b>Gene Summary:</b>	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]