

Product datasheet for **RC235884**

p23 (PTGES3) (NM_001282602) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: p23 (PTGES3) (NM_001282602) 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: >RC235884 representing NM_001282602
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCAGCCTGCTTCTGCAAAGTGGTACGATCGAAGGGACTATGTCTTCATTGAATTTTGTGTTGAAGACA
GTAAGGATGTTAATGTAATTTTAAAAATCCAACTTACATTCAAGTGTCTCGGAGGAAGTGATAATTT
TAAGCATTTAAATGAAATTGATCTTTTCACTGTATTGATCCAAATGATTCCAAGCATAAAAAGACGGAC
AGATCAATTTTATGTTGTTTACGAAAAGGAGAATCTGGCCAGTCATGGCCAAGGTTAACAAAAGAAAGGG
CAAAGATGATGAACAACATGGGTGGTATGAGGATGTAGATTTACCAGAAGTAGATGGAGCAGATGATGA
TTCACAAGACAGTATGATGAAAAATGCCAGATCTGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235884 representing NM_001282602
Red=Cloning site Green=Tags(s)

MQPASAKWYDRRDYVFIIEFCVEDSKDVNVNFEKSKLTFSCGGSDNFKHLNEIDL FHCIDPNSDKHKRTD
RSILCCLRKGESGQSWPRLTKERAKMMNMGGDEDVDLPEVDGADDDSDDEKMPDLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_001282602.2
RefSeq Size:	1955 bp
RefSeq ORF:	393 bp
Locus ID:	10728
UniProt ID:	Q15185
Cytogenetics:	12
Protein Families:	Druggable Genome, Nuclear Hormone Receptor
MW:	15.4 kDa
Gene Summary:	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]