

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 PTGES3 Symbol: Synonyms: cPGES; P23; TEBP Vector: pCMV6-Entry (PS100001) E. coli Selection: Kanamycin (25 ug/mL) **Cell Selection:** Neomycin >RC235676 representing NM_001282605 **ORF** Nucleotide Red=Cloning site Blue=ORF Green=Tags(s) Sequence: TTTTGTAATACGACTCACTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCAGCCTGCTTCTGCAAAGTGGTACGATCGAAGGGACTATGTCTTCATTGAATTTTGTGTTGAAGACA GTAAGGATGTTAATGTAAATTTTGAAAAATCCAAACTTACATTCAGTTGTCTCGGAGGAAGTGATAATTT TAAGCATTTAAATGAAATTGATCTTTTTCACTGTATTGATCCAAATGATTCCAAGCATAAAAGAACGGAC CAAAGGATTCACAAGACAGTGATGATGAAAAAATGCCAGATCTGGAG ACGCGT ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA >RC235676 representing NM_001282605 **Protein Sequence:** Red=Cloning site Green=Tags(s) MQPASAKWYDRRDYVFIEFCVEDSKDVNVNFEKSKLTFSCLGGSDNFKHLNEIDLFHCIDPNDSKHKRTD RSILCCLRKGESGQSWPRLTKERAKDSQDSDDEKMPDLE TRTRPLEQKLISEEDLAANDILDYKDDDDKV **Restriction Sites:** Sgfl-Mlul



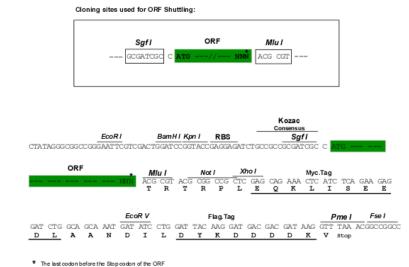
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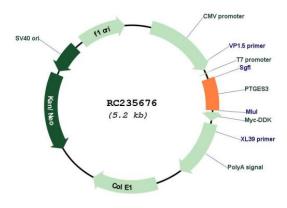
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Cloning Scheme:



Plasmid Map:



ACCN:
ORF Size:
OTI Disclaimer:

NM_001282605

327 bp

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <u>More info</u>

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ORIGENE p23 (PTGES3) (NM_001282605) Human Tagged ORF Clone – RC235676	
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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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:	<u>NM 001282605.2</u>
RefSeq Size:	1892 bp
RefSeq ORF:	330 bp
Locus ID:	10728
UniProt ID:	<u>Q15185</u>
Cytogenetics:	12
Protein Families:	Druggable Genome, Nuclear Hormone Receptor
MW:	13.2 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]

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