

Product datasheet for RC236196

p23 (PTGES3) (NM_001282604) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	p23 (PTGES3) (NM_001282604) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	p23
Synonyms:	cPGES; P23; TEBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC236196 representing NM_001282604 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCTTTTGGAAAAGCAGCCTGCTTCTGCAAAGTGGTACGATCGAAGGGACTATGTCTTCATTGAATTTT
GTGTTGAAGACAGTAAGGATGTTAATGTAATTTTAAAAATCCAACTTACATTCAGTTGTCTCGGAGG
AAGTGATAATTTTAAGCATTTAAATGAAATTGATCTTTTTCACTGTATTGATCCAAATGATTCGAAGCAT
AAAAGAACGGACAGATCAATTTTATGTTGTTACGAAAAGGAGAATCTGGCCAGTCATGGCCAAGGTTAA
CAAAGAAGGGCAAAGCTTAATTGGCTTAGTGTGCGACTTCAATAATTGGAAAGACTGGGAAGATGATTC
AGATGAAGACATGTCTAATTTTATCGTTTCTCTGAGATGATGAACAACATGGGTGGTATGAGGATGTA
GATTTACCAGAAGTAGATGGAGCAGATGATGATTCACAAGACAGTATGATGAAAAAATGCCAGATCTGG
AG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC236196 representing NM_001282604 Red=Cloning site Green=Tags(s)
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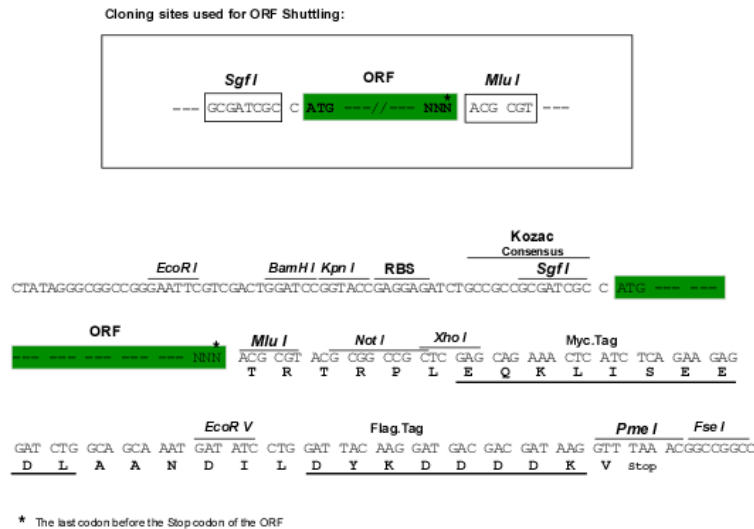
MSLEKQPASAKWYDRRDYVFI EFCVEDSKDVNVNFEKSKLTF SCLGGSDNFKHLNEIDL FHCIDPNDSKH
KRTDRSILCCLRKGE SGQSWPRLTKERAKLNWLSVDFNNWKDWEDDSDEMSNFDRFSEMMNMGGDEDV
DLPEVDGADDDSQDSDDEKMPDLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:	SgfI-MluI
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Cloning Scheme:



ACCN: NM_001282604

ORF Size: 492 bp

OTI Disclaimer: 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. [More info](#)

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001282604.1](#), [NP_001269533.1](#)

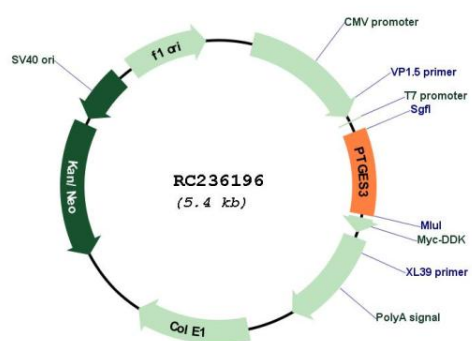
RefSeq Size: 2094 bp

RefSeq ORF: 495 bp

Locus ID: 10728

UniProt ID:	Q15185
Cytogenetics:	12
Protein Families:	Druggable Genome, Nuclear Hormone Receptor
MW:	19.6 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]

Product images:



Circular map for RC236196