

Product datasheet for **RG201254**

p23 (PTGES3) (NM_006601) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: p23 (PTGES3) (NM_006601) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: p23
Synonyms: cPGES; P23; TEBP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG201254 representing NM_006601
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGCCTGCTTCTGCAAAGTGGTACGATCGAAGGGACTATGTCTTCATTGAATTTGTGTTGAAGACA
 GTAAGGATGTTAATGTAATTTTGAAAAATCCAACTTACATTCAAGTGTCTCGGAGGAAGTGATAATTT
 TAAGCATTTAAATGAAATTGATCTTTTCACTGTATTGATCCAAATGATCCAAGCATAAAAAGAACGGAC
 AGATCAATTTTATGTTGTTTACGAAAAGGAGAATCTGGCCAGTCATGGCCAAGGTTAACAAAAGAAAGGG
 CAAAGCTTAATTGGCTTAGTGTGCGACTTCAATAATTGAAAAGACTGGGAAGATGATTCAGATGAAGACAT
 GTCTAATTTTATCGTTTCTCTGAGATGATGAACAACATGGGTGGTGTAGGATGTAGATTTACCAGAA
 GTAGATGGAGCAGATGATGATTCACAAGACAGTGTATGAAAAAATGCCAGATCTGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG201254 representing NM_006601
 Red=Cloning site Green=Tags(s)

MQPASAKWYDRRDYVFIIEFCVEDSKDVNVNFEKSKLTFSCLLGGSDNFKHLNEIDL FHCIDPNSKHKRDT
 RSILCCLRKGESGQSWPRLTKERAKLNWLSVDFNNWKDWEDDSDEMSNFDRFSEMMNMGGDEDVDLPE
 VDGADDDSQDSDDEKMPDLE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_006601

ORF Size: 480 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.

RefSeq: [NM_006601.7](#)

RefSeq Size: 1490 bp

RefSeq ORF: 483 bp

Locus ID: 10728

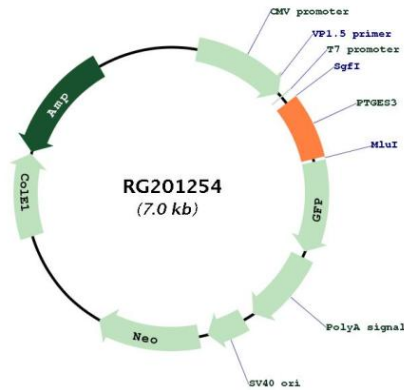
UniProt ID: [Q15185](#)

Cytogenetics: 12

Protein Families: Druggable Genome, Nuclear Hormone Receptor

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 RG201254