

Product datasheet for **RG235884**

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:	TurboGFP
Symbol:	PTGES3
Synonyms:	cPGES; P23; TEBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG235884 representing NM_001282602. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGCCTGCTTCTGCAAAGTGGTACGATCGAAGGGACTATGTCTTCATTGAATTTGTGTTGAAGAC
AGTAAGGATGTTAATGTAATTTTGAAAAATCCAACTTACATTCAGTTGTCTCGGAGGAAGTGATAAT
TTTAAGCATTTAAATGAAATTGATCTTTTTCACTGTATTGATCCAAATGATTCCAAGCATAAAAAGAACG
GACAGATCAATTTATGTTGTTTACGAAAAGGAGAATCTGGCCAGTCATGGCCAAGGTTAACAAAAGAA
AGGGCAAAGATGATGAACAACATGGGTGGTATGAGGATGTAGATTTACCAGAAGTAGATGGAGCAGAT
GATGATTCACAAGACAGTATGATGAAAAAATGCCAGATCTGGAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG235884
Blue=ORF Red=Cloning site Green=Tag(s)

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MQPASAKWYDRRDYVFI EFCVEDSKDVNVNFEKSKLTF SCLGSDNFKHLNEIDL FHCIDPNSDKHKRT
DRSILCCLRKGESGQSWPRLTKERAKMMNMGGDEDVDLPEVDGADDDSQSDDEKMPDLE
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
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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).
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]