

Product datasheet for **SC330397**

PTGES2 (NM_001256335) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PTGES2 (NM_001256335) Human Untagged Clone
Tag: Tag Free
Symbol: PTGES2
Synonyms: C9orf15; GBF-1; GBF1; mPGES-2; PGES2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330397 representing NM_001256335.
Blue=Insert sequence **Red**=Cloning site **Green**=Tag(s)

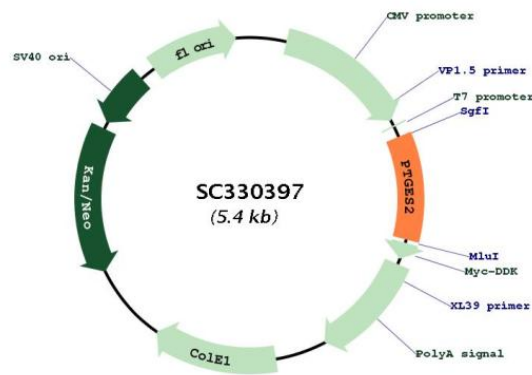
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ATGAAGGCTGTGAACGAGCAGGGCAAGGAGGTGACCGAGTTCGGCAATAAGTACTGGCTCATGCTCAAC
GAGAAGGAGGCCAGCAAGTGTATGGTGGGAAGGAGGCCAGGACGGAGGAGATGAAGTGGCGGCAGTGG
GCGGACGACTGGCTGGTGACCTGATCTCCCCAATGTGTACCGCACGCCACCGAGGCTCTGGCGTCC
TTTGACTACATTGTCCGCGAGGGCAAGTTCGGAGCCGTGGAGGGTGCCGTGGCCAAGTACATGGGTGCA
GCGGCCATGTACCTCATCAGCAAGCGACTCAAGAGCAGGCACCGCCTCCAGGACAACGTGCGCGAGGAC
CTCTATGAGGCTGCTGACAAGTGGTGGCTGCTGTGGCAAGGACCGGCCCTTCATGGGGGGCCAGAAG
CCGAATCTCGCTGATTTGGCGGTGTATGGCGTGCTGCGTGTGATGGAGGGGCTGGATGCGTTCGATGAC
CTGATGCAGCACACGCACATCCAGCCCTGGTACCTGCGGGTGGAGAGGGCCATCACCAGGCCTCCCCA
GCGCACTGA
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001256335

Insert Size: 561 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001256335.1
RefSeq Size:	1369 bp
RefSeq ORF:	561 bp
Locus ID:	80142
UniProt ID:	Q9H7Z7
Cytogenetics:	9q34.11
Protein Pathways:	Arachidonic acid metabolism, Metabolic pathways
MW:	21.3 kDa
Gene Summary:	<p>The protein encoded by this gene is a membrane-associated prostaglandin E synthase, which catalyzes the conversion of prostaglandin H2 to prostaglandin E2. This protein also has been shown to activate the transcription regulated by a gamma-interferon-activated transcription element (GATE). Multiple transcript variants have been found for this gene. [provided by RefSeq, Jun 2009]</p> <p>Transcript Variant: This variant (5) differs in the 5' UTR, lacks a portion of the 5' coding region, and uses a downstream in-frame start codon, compared to variant 1. The encoded isoform (2) is shorter at the N-terminus, compared to isoform 1. Both variants 2 and 5 encode isoform 2.</p>