Human PTGS1 Gene ORF cDNA clone expression plasmid, C-Flag tag



Catalog Number: HG17553-CF

General Information

Gene: prostaglandin-endoperoxide synthase 1

(prostaglandin G/H synthase and

cyclooxygenase)

Official Symbol: PTGS1

COX1; COX3; PCOX1; PES-1; PGG/HS; Synonym:

PGHS-1; PGHS1; PHS1; PTGHS; RP11-

542K23.6

Source: Human

cDNA Size: 1839bp (cDNA Size= Gene + linker

RefSeq: NM 000962.3

Plasmid: pCMV3-PTGS1-Flag

Description

Lot: Please refer to the label on the tube

Sequence Description:

Identical with the Gene Bank Ref. ID sequence.

Restriction site: Kpnl + Xbal(6kb+1.84kb)

Vector: pCMV3-C-FLAG

Quality control:

The plasmid is confirmed by full-length sequencing with primers

in the sequencing primer list.

Sequencing primer list:

5' CAGGTGTCCACTCCCAGGTCCAAG 3' pCMV3-F:

pcDNA3-R: 5' GGCAACTAGAAGGCACAGTCGAGG 3'

Or

Forward T7: 5' TAATACGACTCACTATAGGG 3'

ReverseBGH: 5' TAGAAGGCACAGTCGAGG 3'

pCMV3-F and pcDNA3-R are designed by Sino Biological Inc. Customers can order the primer pair from any oligonucleotide supplier.

Shipping carrier:

Each tube contains approximately 10 µg of lyophilized plasmid.

The lyophilized plasmid can be stored at ambient temperature for three months.

Plasmid Resuspension protocol

- 1. Centrifuge at 5,000×g for 5 min.
- 2. Carefully open the tube and add 100 μ l 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 to concentrate the liquid at the bottom. Speed is less than 5000×g.
- 5. Store the plasmid at -20 °C.

The plasmid is ready for:

- · Restriction enzyme digestion
- PCR amplification
- · E. coli transformation
- DNA sequencing

E.coli strains for transformation (recommended but not limited)

Most commercially available competent cells are appropriate for the plasmid, e.g. TOP10, DH5 α and TOP10F'.

For U.S. Customer: Fax: 267-657-0217 Non-U.S. Customer: Fax: +86-10-5862-8288

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Tel: +86-400-890-9989

http://www.sinobiological.com

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Vector Information

All of the pCMV vectors are designed for high-level stable and transient expression in mammalian hosts. High-level stable and non-replicative transient expression can be carried out in most mammalian cells. The vectors contain the following elements:

- •Human enhanced cytomegalovirus immediate-early (CMV) promoter for high-level expression in a wide range of mammalian cells.
- Hygromycin resistance gene for selection of mammalian cell lines.
- A Kozak consensus sequence to enhance mammalian expression.

Vector name pCMV3-C-FLAG

Vector size 6158bp

Vector Type Mammalian Expression Vector

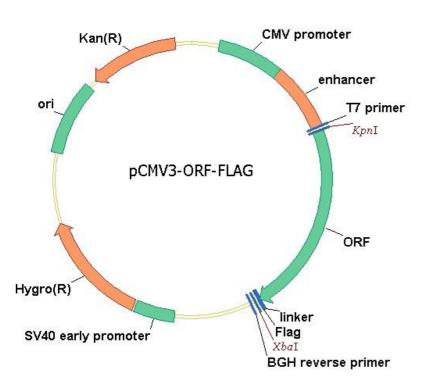
Expression Method Constitutive ,Stable / Transient

Promoter CMV

Bacterial Resistance Kanamycin
Selection In Cells Hygromycin

Protein tag FLAG

Physical Map of Plasmid:



Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

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