

## Product datasheet for **MR227684L4V**

### Ptgs2 (NM\_011198) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Ptgs2 (NM_011198) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ptgs2
Synonyms:	COX; Cox-; Cox-2; COX2; gripghs; PES-2; Pgh; PGHS; PGHS-2; Pghs2; PHS; PHS-2; PHS II; Tis; TIS10
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_011198
ORF Size:	1812 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227684).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_011198.3</a>
RefSeq Size:	4150 bp
RefSeq ORF:	1815 bp
Locus ID:	19225
UniProt ID:	<a href="#">Q05769</a>
Cytogenetics:	1 63.84 cM



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**Gene Summary:**

This gene encodes an enzyme that is a member of the prostaglandin G/H synthase family. The encoded protein converts arachidonic acid to prostaglandin endoperoxide H<sub>2</sub> which is a key enzymatic step in prostaglandin biosynthesis. This gene is the inducible prostaglandin G/H synthase family member that is upregulated during inflammation. Aberrant regulation of this gene is associated with cancer progression in several tissues and an increased risk of cardiovascular events. This gene is the target of many non-steroidal anti-inflammatory drugs. [provided by RefSeq, Sep 2015]