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Product datasheet for RC202405L3V

Prostaglandin E Synthase (PTGES) (NM_004878) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Prostaglandin E Synthase (PTGES) (NM_004878) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PTGES
Synonyms:	MGST-IV; MGST1-L1; MGST1L1; MPGES; mPGES-1; PGES; PIG12; PP102; PP1294; TP53I12
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_004878
ORF Size:	456 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC202405).`
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.
RefSeq:	NM_004878.3
RefSeq Size:	1787 bp
RefSeq ORF:	459 bp
Locus ID:	9536
UniProt ID:	O14684
Cytogenetics:	9q34.11
Domains:	MAPEG
Protein Families:	Druggable Genome, Transmembrane

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Protein Pathways: Arachidonic acid metabolism, Metabolic pathways

MW: 17.1 kDa

Gene Summary: The protein encoded by this gene is a glutathione-dependent prostaglandin E synthase. The expression of this gene has been shown to be induced by proinflammatory cytokine interleukin 1 beta (IL1B). Its expression can also be induced by tumor suppressor protein TP53, and may be involved in TP53 induced apoptosis. Knockout studies in mice suggest that this gene may contribute to the pathogenesis of collagen-induced arthritis and mediate acute pain during inflammatory responses. [provided by RefSeq, Jul 2008]