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Product datasheet for MR215806L4V

Ptges3 (NM_019766) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ptges3 (NM_019766) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ptges3
Synonyms:	5730442A20Rik; cPGES; p23; Ptges; sid3177; Tebp
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_019766
ORF Size:	480 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR215806).`
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_019766.4, NP_062740.1
RefSeq Size:	1954 bp
RefSeq ORF:	483 bp
Locus ID:	56351
UniProt ID:	Q9R0Q7
Cytogenetics:	10 D3

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Gene Summary: Cytosolic prostaglandin synthase that catalyzes the oxidoreduction of prostaglandin endoperoxide H2 (PGH2) to prostaglandin E2 (PGE2). Molecular chaperone that localizes to genomic response elements in a hormone-dependent manner and disrupts receptor-mediated transcriptional activation, by promoting disassembly of transcriptional regulatory complexes. Facilitates HIF alpha proteins hydroxylation via interaction with EGLN1/PHD2, leading to recruit EGLN1/PHD2 to the HSP90 pathway.[UniProtKB/Swiss-Prot Function]