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Product datasheet for MR205997L3V

Ptges2 (NM_133783) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ptges2 (NM_133783) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ptges2
Synonyms:	0610038H10Rik; C79137; Gbf1; Mpges2; Pges2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_133783
ORF Size:	1152 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR205997).`
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_133783.2, NP_598544.2
RefSeq Size:	1969 bp
RefSeq ORF:	1155 bp
Locus ID:	96979
UniProt ID:	Q8BWM0
Cytogenetics:	2 B

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Gene Summary: The protein encoded by this gene is a Golgi membrane-associated prostaglandin E synthase candidate, which is capable of catalyzing the conversion of prostaglandin H2 to prostaglandin E2 in vitro. However, a study using mice deficient of this gene suggests that this enzyme does not contribute to prostaglandin E2 biosynthesis in vivo. This protein is synthesized as a Golgi membrane-bound protein, but its N-terminal hydrophobic region is cleaved off during protein maturation to produce the predominant soluble truncated form that still retains the enzyme activity. This soluble protein also has been shown to activate the transcription regulated by a gamma-interferon-activated transcription element (GATE), possibly via an interaction with CAAAT/enhancer-binding protein-beta. [provided by RefSeq, Oct 2009]