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Product datasheet for RC222935L3V

PTGER3 (NM_198717) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PTGER3 (NM_198717) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PTGER3
Synonyms:	EP3; EP3-I; EP3-II; EP3-III; EP3-IV; EP3-VI; EP3e; lnc003875; PGE2-R
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_198717
ORF Size:	1095 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC222935).`
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_198717.1
RefSeq Size:	1817 bp
RefSeq ORF:	1098 bp
Locus ID:	5733
UniProt ID:	P43115
Cytogenetics:	1p31.1
Protein Families:	Druggable Genome, GPCR, Transcription Factors, Transmembrane
Protein Pathways:	Calcium signaling pathway, Neuroactive ligand-receptor interaction

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MW: 40.3 kDa

Gene Summary: The protein encoded by this gene is a member of the G-protein coupled receptor family. This protein is one of four receptors identified for prostaglandin E2 (PGE2). This receptor may have many biological functions, which involve digestion, nervous system, kidney reabsorption, and uterine contraction activities. Studies of the mouse counterpart suggest that this receptor may also mediate adrenocorticotropic hormone response as well as fever generation in response to exogenous and endogenous stimuli. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2009]