

Product datasheet for **RC208597L4V**

EP1 (PTGER1) (NM_000955) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	EP1 (PTGER1) (NM_000955) Human Tagged ORF Clone Lentiviral Particle
Symbol:	EP1
Synonyms:	EP1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000955
ORF Size:	1206 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208597).
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_000955.2
RefSeq Size:	1458 bp
RefSeq ORF:	1209 bp
Locus ID:	5731
UniProt ID:	P34995
Cytogenetics:	19p13.12
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane



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Protein Pathways: Calcium signaling pathway, Neuroactive ligand-receptor interaction

MW: 41.6 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). Through a phosphatidylinositol-calcium second messenger system, G-Q proteins mediate this receptor's activity. Knockout studies in mice suggested a role of this receptor in mediating algesia and in regulation of blood pressure. Studies in mice also suggested that this gene may mediate adrenocorticotrophic hormone response to bacterial endotoxin. [provided by RefSeq, Jul 2008]