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Product datasheet for RC216521L4V

ENPP2 (NM_006209) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ENPP2 (NM_006209) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ENPP2
Synonyms:	ATX; ATX-X; AUTOTAXIN; LysoPLD; NPP2; PD-IALPHA; PDNP2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_006209
ORF Size:	2745 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC216521).`
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_006209.2
RefSeq Size:	3231 bp
RefSeq ORF:	2748 bp
Locus ID:	5168
UniProt ID:	Q13822
Cytogenetics:	8q24.12
Domains:	SO, Endonuclease, Phosphodiest
Protein Families:	Druggable Genome, Transcription Factors, Transmembrane

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Protein Pathways: Ether lipid metabolism

MW: 105.2 kDa

Gene Summary: The protein encoded by this gene functions as both a phosphodiesterase, which cleaves phosphodiester bonds at the 5' end of oligonucleotides, and a phospholipase, which catalyzes production of lysophosphatidic acid (LPA) in extracellular fluids. LPA evokes growth factor-like responses including stimulation of cell proliferation and chemotaxis. This gene product stimulates the motility of tumor cells and has angiogenic properties, and its expression is upregulated in several kinds of carcinomas. The gene product is secreted and further processed to make the biologically active form. Several alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Aug 2008]