

Product datasheet for RR203038L4

Gpat3 (NM_001025670) Rat Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Expression Plasmids
Gpat3 (NM_001025670) Rat Tagged Lenti ORF Clone
mGFP
Gpat3
Agpat9
Puromycin
pLenti-C-mGFP-P2A-Puro (PS100093)
Chloramphenicol (34 ug/mL)
The ORF insert of this clone is exactly the same $as(RR203038)$.
Sgfl-Mlul
Cloning sites used for ORF Shuttling:
Sgf I ORF Mlu I [GCG ATC GC]C <mark>ATG // NNŇ</mark> [ACG CGT

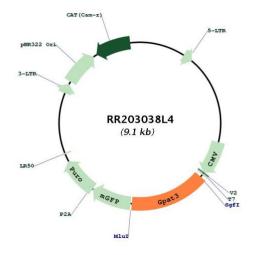


* The last codon before the Stop codon of the ORF.



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Plasmid Map:



ACCN:	NM_001025670
ORF Size:	1371 bp
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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM 001025670.1, NP 001020841.1</u>
RefSeq Size:	2017 bp
RefSeq ORF:	1374 bp

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	Gpat3 (NM_001025670) Rat Tagged Lenti ORF Clone – RR203038L4
Locus ID:	305166
UniProt ID:	<u>Q4V8J4</u>
Cytogenetics:	14p22
Gene Summary:	Converts glycerol-3-phosphate to 1-acyl-sn-glycerol-3-phosphate (lysophosphatidic acid or LPA) by incorporating an acyl moiety at the sn-1 position of the glycerol backbone (By similarity). Also converts LPA into 1,2-diacyl-sn-glycerol-3-phosphate (phosphatidic acid or PA) by incorporating an acyl moiety at the sn-2 position of the glycerol backbone (By similarity). [UniProtKB/Swiss-Prot Function]

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