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Product datasheet for MC201591

Gpam (NM_008149) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpam (NM_008149) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gpam
Synonyms:	GPAT; GPAT1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC019201 sequence for NM_008149 CCACGCGTCCGAGCGCTGGCAGCTGCGTGCGCCCAGGCGCGAGCTGCCGGGCGGGTGGAGAGGAGCGCGG TGCGCTGTGCGCGGTGCGGGCTGCGGCTGCAGACGCCGCTGGGCCGGAGCGCGGGGTCAGCACATGGTTT GGGACTTGCACGTTCTGCCATGGAGGAGTCTTCAGTGACAGTTGGCACAATAGACGTTTCTTATCTGCCC AGTTCATCGGAATACAGCCTTGGCCGATGTAAACACACCAGTGAGGACTGGGTTGACTGTGGGTTCAAAC CTACCTTCTTCAGATCTGCAACACTGAAATGGAAGGAGAGCCTTATGAGCCGGAAGAGGCCCTTCGTGGG AAGGTGCTGCTATTCCTGCACGCCACAGAGCTGGGAAAGGTTTTTCAACCCCAGTATCCCATCTCTGGGT TTGCGGAATGTTATTTATATCAATGAAACGCACACAAGGCACAGAGGATGGCTGGCGAGACGGCTGTCTT ACATCCTTTTTGTTCAAGAGCGAGACGTCCATAAGGGCATGTTTGCCACCAGTGTTACTGAGAATGTACT GAGCAGCAGCAGAGTCCAAGAGGCAATTGCTGAAGTGGCTGCGGAGTTGAACCCAGATGGATCTGCCCAG CAGCAGTCCAAAGCCATCCAGAAGGTGAAAAGGAAAGCCAGGAAGATCCTCCAGGAGATGGTCGCCACCG TCTCCCCAGGGATGATCAGGCTGACTGGCTGGGTGTTACTAAAGCTCTTCAACAGCTTCTTCTGGAACAT TCAGATTCACAAGGGTCAACTCGAGATGGTCAAGGCTGCAACTGAGACGAACCTGCCGCTCTTGTTTCTG CCGGTGCACAGATCCCACATTGACTACCTGTTGCTCACCTTCATCCTCTTTTGCCACAACATCAAGGCGC CGTACATCGCCTCGGGCAATAATCTCAACATCCCCGTCTTCAGTACCTTGATTCACAAGCTTGGGGGCTT TTTCATAAGACGGAGGCTCGATGAAACCCCAGATGGACGCAAAGACATTCTGTACAGAGCGTTGCTCCAT GGGCATGTAGTTGAACTCCTCCGACAGCAGCAGTTCCTGGAGATCTTCCTGGAAGGCACCCGCTCCCGCA GTGGCAAGACCTCCTGTGCCCGGGCAGGGCTCCTCTCAGTGGTAGTGGATACTCTGTCGTCCAACACCAT CCCCGACATCCTCGTCATACCCGTGGGCATCTCGTATGATCGCATAATCGAAGGTCACTACAATGGCGAA CAGTTGGGAAAGCCCAAGAAGAACGAGAGCCTCTGGAGTGTGGCGAGAGGCGTTATCAGAATGCTGCGGA AAAACTACGGCTACGTCCGAGTGGATTTTGCACAGCCATTTTCCTTGAAGGAATATTTAGAAGGCCAGAG TCAGAAACCTGTATCTGCCCCCCTTTCTCTGGAGCAAGCACTGTTACCAGCGATCCTTCCTTCAAGACCG AATGATGTTGCTGATGAACATCAAGACCTATCCAGTAACGAGTCCAGAAACCCAGCAGACGAAGCCTTCC GACGAAGGCTGATTGCAAACCTGGCTGAGCACATTCTCTTCACCGCCAGCAAGTCCTGCGCTATCATGTC CACCCACATTGTGGCCTGTCTGCTCCTCTACAGACACAGGCAGGGAATCCATCTCTCCACGCTTGTGGAA GACTTCTTTGTGATGAAGGAGGAAGTCCTAGCTCGCGATTTCGACCTAGGCTTCTCCGGGAATTCAGAAG ATGTCGTCATGCATGCTATTCAGCTTCTGGGGAACTGTGTCACAATCACCCACACGAGCAGGAAAGATGA

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GTTTTTTATTACTCCCAGCACAACTGTCCCGTCAGTCTTTGAACTCAACTTCTACAGCAATGGCGTACTT
CATGTGTTCATCATGGAAGCCATCATAGCTTGCAGCATCTATGCAGTCCTGAATAAGAGGTGCTCTGGAG
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AGTGCAACCGGCAGAAACTCCTAGAGTATATTCTGAGTTTTGTGGTGCTGTAGCGATCTCTCAGCACCTA
TCTCGAGCGAGGAGCTGATGAGTCCCTTGCAGCCTCCAGTCTGACCCAGAGTGGCAGGTATCCTGGCATG
GCCCAGCCTGCCCTACCCCGAGGAGACTTCCAGGAAGACACGTGCCTTCTGCCCCCGTGGACCTGCGCTC
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ACAAGAGTGCCTTTGAGCTGTAATGACCAGTGTTTAGAGTCCCTGTTGCTGATACCTTTGAGTGATTGAC
ACCTGCTGCTTTTGAGGAGCTCGGCTGCAGTGATCACTGGCGTGTGGCACTCTGGCTACAAACTGCTGAC
CCAGGGGTTCCAGACACTGCTCACTCACTGGGTGCTGTGCTGTGGCTAGTGTATGGCTTGTACCCAGATG
GCGCACTGTGCAGCCTGTGTAGCATGCACAGTGACCCAGCTGAGTGGCAGGTGGTTGGAGGCAAGGACAT
TTATGTGGGCCACATACCCAAACTTCCTGCCATGTAAAGGCGAGTGATTGTGAAAGCACCTCTGTTGTAG
TGGGTAGGTGCCTTTCTCATGAGCGGGGAGCATAACTGTTAGTTATTTGTGGTGATTATGGCAGATTTCA
AGATCACGTGACAATGCAGTCTCTAATTGTTCACTGTCCATATATATGATTTTACGGAATTATGAATTTT
TCTGATGAGTGTTGTATAGATGATTTGAATTGATAAAAGTATTAGGGATGAGGTTTGTAAAAAAAAAAAA AAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_008149

Insert Size: 2484 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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

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:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. 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:	BC019201, AAH19201
RefSeq Size:	3857 bp
RefSeq ORF:	2484 bp
Locus ID:	14732
UniProt ID:	Q61586
Cytogenetics:	19 50.81 cM
Gene Summary:	Esterifies acyl-group from acyl-ACP to the sn-1 position of glycerol-3-phosphate, an essential step in glycerolipid biosynthesis.[UniProtKB/Swiss-Prot Function]