

## Product datasheet for **MC205395**

### Gnpat (NM\_010322) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gnpat (NM_010322) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gnpat
Synonyms:	AU019525; D1Ertd819e; DHAPAT
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC025972  
 CCACGCGTCCGGGCGGTGCCCGGGTCCCGTGCAGTGGCCGTACGGAGTGCCACTGTCCTGGGCAGACGG  
 GAGCCGCCCGTGCAGAAAGAACCCGCCCCAGCGGCTGCACTACAGCCGTGTAGCAGACCAGCCAGGCC  
 CGCCCGGACGGCAGCCGCGCATGGACGTTCTAGCTCCTCCAGCTCCCGATTCTCGGTCCGGTCCGGCC  
 AGCCCTAGCAGTGTCTCCTCTATGCGAAAGACCTCAAAAAGTGGGATGAGTTTGAAGATCTGTTAGAGG  
 AGAGGAGACACATCAGTGACTTCAAATTTGCAATGAAGTGCTACACCCCGCCCTGTATAGGGGGATCAC  
 TCCCTGCAAGCCAGGGGACATCAAGTCCATTGTCCTCAGTCTGAAGAGATCAACTATGTCATTAAGCAG  
 CTTTCTAGGGAGTGCCTGACAGGTGTGGATGTCCTCCGAGAGGAAGCCAGTGAGATCCTCGAGGAGATGA  
 GCCACAAACTGCGCATAGGAGCCATTCCGTTCTTTGCCTTTGTTCTGAGCAAAATCTTTAAACAGATCTT  
 CTCAAAGTGTGTGAATGAAGAAGGCATTCAAAGCTACAACGCGCTGTCCAGGAGCACCCCTGTGGTC  
 CTGCTGCCAGTCACCGCAGCTACATTGACTTCTCATGCTGTCTTCATTCTCTACAGCTATGACCTGC  
 CTGTGCCAGTGATCGCAGCAGGAATGGACTTCTGGGAATGAGAGTGGTCACTGAGCTGCTCAGGATGTC  
 TGGAGCCTTCTCATGCGACGCACTTTTGGAGGAAATAAACTCTACTGGCCGATTCTCTGAATATGTG  
 AAGACCATGCTGCGGTGTGGTTATGCTCCTGTTGAATTTTCTCGAAGGGACGAGGAGCCGAGCTGCCA  
 AGACCCTGACTCCTAAGTTTGGTCTCCTGAATATTGTGATGGAACCATTTTTTAAAGAGAAGTCTTCGA  
 TACCTACTTTGTCCCAATTAGCATCAGTTATGATAAAATATTGGAAGAGAGTCTTTATGCATATGAGATC  
 CTCGGAGTTCCTAAGCCGAAGGAGTCCACCACTGGATTGTTGAAAGCTAGACGGATTCTCTGAGAACT  
 TTGGAAGCATCCATGTGTAATTCGGAGACCCTGTATCACTGCGTTCCTAGCTGCAGGGCGGCTCAATCG  
 GAACACGTATAACTTGGTGCCAAGATGCATCCCTCAGAAGCAGCCTGAGGACGTGCAAGCCTTTGTCACT  
 GAGGTGCGCTATAAGATGCAGCTTCTGCAGATTGAAAACCTGGCTCTGAGCCATGGCTCCTGGTGGTCA  
 CCATTCTACTTCAAACACAGCTATCCATGGACTTTGACGCCCTGGTGGAGAAGACTCTGTGGCTGAAGGG  
 CGTAACCCAGGTGTTCCGGCGGTTCTGCTTTGGCCTGATAACAACTTCTGAGGAAGTGGTCCAGTCC  
 AGCATCCTCTGCACTTAACCTGGCCAGCCTTGTCAAAGACCAGGTGGTCTGAAAAAGAACTGAACTGGAA  
 GCTCACAAAGTGGTCAACGGGCTTGTGCCGAACATATCGCCCTCCTCATGTGCTCTGCCTACAGGAACCA  
 GCTGCTCAACATTTTTGCCCGTCTTCTTAGTCGCCCTGGCTTTGCACATGACACCTGGGCTCAGGAAA  
 GAGGATGTCTTCAAGTTGCTTTTCTTCTCCGCAATGTGTTTTAGATGAGTTTCTTCTTCCAGGAA  
 ACACACTCAGGGACTTTGAGGAAGGCTGTACTTGTGTAAAGCTGAGGCTATGCAGATGGCTGGGAA  
 GGACATCATCCTCACAGACAAAGGGACTGCTGTGTACAGTTCCTCACAGCCTTTAAGCCTTTTGTG  
 GAATCATATCAGTTACTTTGCAGATACCTTGCATGAAGAGGACTACTTTGGTGAAGGAATACTTGG  
 TTGCAGCCAGGAAGTTCACCCGTCAGCTTCTGGATCAAGGCTCCTCAGTGTACGATGCGCTGTCTTC  
 TGAAGTGCAGAAAAATGCCTTAGCAGCTTTCGTGAGACTGGGGTGGTGGAAAAGAAGAATAGATAGT  
 AAGTATGTGATTTATGTGAACGGGCTGCCACAAGCAAGTTAGAAGAAATGCTCGGATGTAAGAAGCCAA  
 TAGGAAAACCCAGCCACTGCAAACTATAACAATAATGGAGCAGTTGTAGAAAACACAGTTCATAGTGAC  
 AGTCACAAAGGACTTACTCTGCCACAAATGGGCACTGAGAGGAAGATGTGACGTCCTGCTCCTTGGACC  
 TCTGAGCCATGCTTCTGCCAGGAGGAGGAGAGCATGGGAGTGTGGTGTGACCCTCCACCGTGTGGCT  
 GCTGGCCGGCATTCTGTCACCGTGTGTCAAATAAAGCAGTCTTGAACATTTCTTGGGCAGCAGAGC  
 TCAGGCCCTCCCGTTTACTGCCACTCAGATCCACACCTACCCACTCTCAGGCTGACCTCCGAGGT  
 TTAGTACAGCAGCAGCATTGACCACTTATCTGTGCACTGAAGAAGGGACACTGGTGAAGTGTCCACCCA  
 CAGCTCCATGAGGGTCCCAATCAAACACAGGGCACTAAGAACACTGTGTGTTGGGTGTGTATAAAACCA  
 AGGACGTTTCAATGCTAGATTAGCTCAAGTCTCCAGGACATTTTGTCTGCAAAAAGTACACCTTCCGAACC  
 TGAAGAAGCAGTCCAGCTCACTGTTCTGTGCAAGTGTTCATAAACTGTTCTTACTAAACAAACAAAAG  
 CTTTAAATCTGACACACTTCCATCATAACTATTTTGTATAAGGGACTCAACCTATATCTTTTACTTCAA  
 TTACGTTGTCTCAACCAAGAGCAAATTTGACAGAAGTGTGAATAAATTTTAGTTTACTTTAACTTT  
 AAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_010322  
**Insert Size:** 2037 bp

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC025972</a> , <a href="#">AAH25972</a>
<b>RefSeq Size:</b>	2959 bp
<b>RefSeq ORF:</b>	2037 bp
<b>Locus ID:</b>	14712
<b>UniProt ID:</b>	<a href="#">P98192</a>
<b>Cytogenetics:</b>	8 72.81 cM
<b>Gene Summary:</b>	Dihydroxyacetonephosphate acyltransferase involved in plasmalogen biosynthesis. [UniProtKB/Swiss-Prot Function]