

## Product datasheet for **SC107737**

### GNPNAT1 (NM\_198066) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GNPNAT1 (NM_198066) Human Untagged Clone
Tag:	Tag Free
Symbol:	GNPNAT1
Synonyms:	GNA1; GNPAT; Gpna1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107737 sequence for NM_198066 edited (data generated by NextGen Sequencing) ATGAAACCTGATAAACTCCTATGTTTGACCCAAGTCTACTCAAAGAAGTGGACTGGAGT CAGAATACAGCTACATTTTCTCCAGCCATTTCCCAACACATCCTGGAGAAGGCTTGGTT TTGAGGCCCTTTTGTACTGCTGACTTAAATAGAGGTTTTTTAAGGTATTGGGTCAGCTA ACAGAGACTGGAGTTGTGAGCCCTGAACAATTTATGAAATCTTTTGTGATATGAAGAAA TCTGGGGATTATTATGTTACAGTTGTAGAAGATGTGACTCTAGGACAGATTGTTGCTACG GCAACTCTGATTATAGAACATAAATTCATCCATTCCTGTGCTAAGAGAGGAAGAGTAGAA GATGTTGTTGTTAGTGATGAATGCAGAGGAAAGCAGCTTGGCAAATTTGTTATTATCAACC CTTACTTTGCTAAGCAAGAACTGAACTGTTACAAGATTACCCTTGAATGTCTACCACAA AATGTTGGTTTCTATAAAAAGTTTGATATACTGTATCTGAAGAAAACATATGTGTCGG AGGTTTCTAAAGTAA  Clone variation with respect to NM_198066.3 13 g=>a



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_198066 unedited GCCCCCCANNCCANNCCCCCCCCCCCCCCCNTCCCCCCTCCCGNGTCCANAATTGAAT ACGATTATATAGGCGGCCGCGAATTCGGCACCAGCCGACGCGCCTGGCTAGGAGCGCCG ACCGCAGGGCCTCTACGGACCTTAGAGAAAAATGAAACCTGATAAACTCCTATGTTTG ACCCAAGTCTACTCAAAGAAGTGGACTGGAGTCAGAATACAGCTACATTTTCTCCAGCCA TTTCCCAACACATCCTGGAGAAGGCTTGGTTTTGAGGCCTCTTTGTACTGCTGACTTAA ATAGAGGTTTTTTAAGGTATTGGGTCAGCTAACAGAGACTGGAGTTGTCAGCCCTGAAC AATTTATGAAATCTTTTGGCATATGAAGAAATCTGGGGATTATTATGTTACAGTTGTAG AAGATGTGACTCTAGGACAGATTGTTGCTACGGCAACTCTGATTATAGAACATAAATTCA TCCATTCTGTGCTAAGAGAGGAAGAGTAGAAGATGTTGTTGTTAGTGATGAATGCAGAG GAAAGCAGCTTGGCAAATTGTTATTATCAACCCTTACTTTGCTAAGCAAGAACTGAACT GTTACAAGATTACCCTTGAATGTCTACCACAAAATGTTGGTTTCTATAAAAAGTTTGGAT ATACTGTATCTGAAGAACTACATGTGCTCGGAGTTTCTAAAGTAAAAATCTTTGTAGA CAATTGTCAAAGGGGGCTAATGTACAAGGCTACTCTTCTAGAGTTGAAATATTTTG TTGCTGCACCCGAGTGACCTTCATAAATACTGGACTGAAAAACATTGNAATACTAACAA GTATAATGACATTTAGAAAGATACTTTTGGGCTTGTGGGACATGCTGTGAATCTAGATAC CACATGATATTATTAAGGGGGATGATTTTTACCAAAGGAATATATTCTTAACTTG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_198066
<b>Insert Size:</b>	1750 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>	<u><a href="#">NM_198066.2</a></u> , <u><a href="#">NP_932332.1</a></u>
<b>RefSeq Size:</b>	3942 bp
<b>RefSeq ORF:</b>	555 bp
<b>Locus ID:</b>	64841
<b>UniProt ID:</b>	<u><a href="#">Q96EK6</a></u>
<b>Cytogenetics:</b>	14q22.1
<b>Protein Pathways:</b>	Amino sugar and nucleotide sugar metabolism