

## Product datasheet for RN200923

### Gnai1 (NM\_013145) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gnai1 (NM_013145) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gnai1
Synonyms:	BPGTPB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN200923 representing NM_013145 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCTGCACACTGAGCGCTGAGGACAAGGCGGCCGTGGAGCGCAGCAAGATGATCGACCGCAACCTCC  
GGGAGGACGGAGAGAAGGCAGCGCGGAGGTCAAGCTGCTGCTGGTGTGGTGAATCCGGGAAGAG  
CACAATTGTGAAGCAGATGAAAATTATCCACGAGGCTGGCTACTCAGAGGAAGAGTGAAGCAGTACAAA  
GCAGTGGTCTACAGCAACACCATCCAGTCCATCATTGCCATCATTAGAGCCATGGGGAGATTGAAAATCG  
ACTTTGGAGACGCTGCTCGTGGGATGATGCTCGCCAACCTCTTGTGCTTGTGGGGCTGCAGAGGAAGG  
CTTTATGACCGCGGAGCTCGCCGCGTCATAAAGAGACTGTGGAAGGACAGCGGTGTGCAAGCCTGCTTC  
AACAGATCCCGGGAGTACCAGCTGAACGATTCCGGCGCGTACTACCTGAATGACTTGGACAGAATAGCAC  
AACCAAATTACATCCCAACCCAGCAGGATGTTCTCAGAAGTAGAGTGAACCGGAAATGTGGAAAC  
CCACTTTACTTTCAAAGATCTTCATTTTAAAAATGTTTGACGTGGGAGGCCAGAGATCAGAGCGGAAGAAG  
TGGATTCAGTCTTTGAAGGCGTACTGCCATCATCTTCTGTGTGGCCCTGAGTGACTATGACCTGGTTC  
TTGCTGAGGATGAAGAAATGAACCGGATGCATGAAAGCATGAAGCTGTTTCGATAGCATATGTAACAACAA  
GTGGTTTACGGACACATCCATCATCCTTTTCTGAACAAGAAGGACCTCTTGAAGAGAAGATCAAAAAG  
AGTCCCCTCACGATATGCTATCCAGAATATGCAGGCTCAAACACATATGAAGAGGCGGCTGCGTATATCC  
AGTGTGAGTTTGAAGACCTCAATAAAGGAAGGACACAAAGGAAATTTACACCCACTTCACTTGCGCCAC  
GGATACGAAGAATGTGCAGTTTGTGTTTCGATGCTGTAACGGACGTCATCATAAAGAATAACCTAAAAGAC  
TGTGGTCTCTTCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI



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<b>ACCN:</b>	NM_013145
<b>Insert Size:</b>	1065 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_013145.1</a></u> , <u><a href="#">NP_037277.1</a></u>
<b>RefSeq Size:</b>	1945 bp
<b>RefSeq ORF:</b>	1065 bp
<b>Locus ID:</b>	25686
<b>UniProt ID:</b>	<u><a href="#">P10824</a></u>
<b>Cytogenetics:</b>	4q11
<b>Gene Summary:</b>	plays a role in presynaptic inhibition and regulation of synaptic transmission [RGD, Feb 2006]