

## Product datasheet for **SC118221**

### gamma Synuclein (SNCG) (NM\_003087) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	gamma Synuclein (SNCG) (NM_003087) Human Untagged Clone
Tag:	Tag Free
Symbol:	gamma Synuclein
Synonyms:	BCSG1; SR
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118221 sequence for NM_003087 edited (data generated by NextGen Sequencing)

```
ATGGATGTCTTCAAGAAGGGCTTCTCCATCGCCAAGGAGGGCGTGGTGGGTGCGGTGGAA
AAGACCAAGCAGGGGTGACGGAAGCAGCTGAGAAGACCAAGGAGGGGGTCATGTATGTG
GGAGCCAAGACCAAGGAGAATGTTGTACAGAGCGTGACCTCAGTGGCCGAGAAGACCAAG
GAGCAGGCCAACGCCGTGAGCGAGGCTGTGGTGAAGCAGCGTCAACACTGTGGCCACCAAG
ACCGTGGAGGAGGCGGAGAACATCGCGGTACCTCCGGGGTGGTGCAGCAAGGAGGACTTG
AGGCCATCTGCCCCCAACAGGAGGGTGAAGGCATCCAAAGAGAAAGAGGAAGTGGCAGAG
GAGGCCAGAGTGGGGGAGACTAG
```

Clone variation with respect to NM\_003087.2



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_003087 unedited          NGGGTTCAAAATTGTATACGACTCACTATAGGGCGGCCGGAATCGGCACGAGGGCTGGG          CTCCAGCTGGCCTCCGCATCAATATTTTCATCGGCGTCAATAGGAGGCATCGGGGACAGCC          GCTGCGGCAGCACTCGAGCCAGCTCAAGCCCGCAGCTCGCAGGGAGATCCAGCTCCGTCC          TGCCTGCAGCAGCCCAACCCTGCACACCACCATGGATGTCTTCAAGAAGGGCTTCTCCA          TCGCCAAGGAGGGCGTGGTGGGTGCGGTGAAAAAGACCAAGCAGGGGGTGACGGAAGCAG          CTGAGAAGACCAAGGAGGGGTCAATGTATGTGGGAGCCAAGACCAAGGAGAATGTTGTAC          AGAGCGTGACCTCAGTGGCCGAGAAGACCAAGGAGCAGGCCAACGCCGTGAGCGAGGCTG          TGGTGAGCAGCGTCAACACTGTGGCCACCAAGACCGTGGAGGAGCGGAGAACATCGCGG          TCACCTCCGGGGTGGTGCGAAGGAGGACTTGAGGCCATCTGCCCCCAACAGGAGGGTG          AGGCATCCAAAGAGAAAGAGGAAGTGGCAGAGGAGGCCAGAGTGGGGGAGACTAGAGGG          CTACAGGCCAGCGTGGATGACCTGAAGAGCGCTCCTCTGCCTTGGACACCATCCCCTCT          AGCACAAGGAGTGCCCGCCTTGAAGTACATGCGGCTGCCACGCTCCTGCCCTCGTCTCC          CTGGCCACCCTTGGCCTGTCCACCTGTGCTGCTGACCACNCTCACTGCCTCCCCTGGGC          CCACCAACCCTCTGGTCTTCTGACCCCTTATGCTGCTGTGAAATTTTTTTTTTTAAAG          ATTCCAAATAAATTGACCCACTCTAAAAAAAAAAAAAAAAACCGCTCTAGAT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_003087 unedited          CAACTTCCAGTGCCAAGAAAGGCACTGGGGAGGGGTACAGGGATGCCACCCGGGATCTG          TTCAAGAAAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTT          TAGGAGTGGGCTCAAGTTTTATTTGGAATCATTTAAAAAAAAAATTCACAGCAGCATAAG          TGGGGTCAAAGGACCAAAGGGTGGGTGGGGCCGAGGGAGGGCAGTGAGGTTGGTGCAAC          AGCACAGTGGACAGGCCAAGGGTGGCCAGGGAGACGAGGGCAGGAGCGTGGGCAGCCGC          ATGTCACTCAAGGCGGGCACTCCTTGTGCTAGAGGGGAATTGGTGTCAAAGGCAGAGGAG          CGCTCTTCAGGTATCCACGCTGGCCTGTAGCCCTCTAGTCTCCCCACTCTGGGCCTCC          TCTGCCACTTCTCTTTCTTTTGGATGCCTCACCCCTCTGNTTGGGGNNGGCAGATGN          GCCTCAAGTCTCTCTTGGCACCACCCCGGGAGGTGACCGGCGATGTTCTCCGCCTCT          CCACGTCTTTGGGGCCACAGTGTGACGCTGCTCACCACAGCCTCGTCAGGGGGTTGGCC          TGTNCTTGGTCTTCTCGGCACCTGAGGTACGCTCTGTACAAATCTNCTTTGGTCTTG          GCTCCACATACATGACCCCTNCTTGGTCTTCTCACTGCTTCCGTCACCCCTGCTTGGT          TTTTCCACCGACCACCGCCCTTGGCGATGGAGAAGCCTTCTGAACATCATGGGGGG          GGGCNNNNGGGTGGGCTGCTGANGCAGAACGGANCTGGATCTCTGCAGCTGGGGCTGAC          TGGNCTTGATGTGCGAAAGGGTGTCCCCTGCTCTTTTGGCCATAAAAATGGTGGCGAGG          CGCTGAGCCACCTCGGCGAATCCGGCGCCTTAAAGGACGATAAAAATGAAGGTATAACA          GCTTGATAA</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_003087
<b>Insert Size:</b>	930 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).

**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:** [NM\\_003087.1](#), [NP\\_003078.1](#)

**RefSeq Size:** 720 bp

**RefSeq ORF:** 384 bp

**Locus ID:** 6623

**UniProt ID:** [O76070](#)

**Cytogenetics:** 10q23.2

**Domains:** Synuclein

**Gene Summary:** This gene encodes a member of the synuclein family of proteins which are believed to be involved in the pathogenesis of neurodegenerative diseases. Mutations in this gene have also been associated with breast tumor development. [provided by RefSeq, Jan 2010]