

Product datasheet for **SC319923**

Synaptogyrin 3 (SYNGR3) (NM_004209) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Synaptogyrin 3 (SYNGR3) (NM_004209) Human Untagged Clone
Tag:	Tag Free
Symbol:	Synaptogyrin 3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_004209.4
 CAGCGGCCTCGGGCGGGCCGGCCGGACGGACAGGCGGACAGAAGGCGCCAGGGGCGCGC
 GTCCCGCCCGGGCCGGCCATGGAGGGCGCCTCCTTCGGCGCGGGCCGCGCAGGGGCGCC
 CTGGACCCCGTGAGCTTTGCGCGCGGGCCAGACCCTGCTCCGGGTGCGGTCTGGGTG
 TTCTCCATCGCCGTCTTCGGGCCATCGTCAACGAGGGCTACGTGAACACCGACAGCGGC
 CCCGAGCTGCGCTGCGTGTCAACGGGAACCGGGCGCCTGCCGCTTCGGCGTCCGCGTAA
 GGCTCGGAGCCTTCCTGCCTGCGCCGCTTCTGCTGCTCGATGTGCGCTTCCAGCAA
 ATCAGCAGCGTCCGCGACCGCCGGCGCGGTGTTGCTGGACCTGGGCTTCTCAGGACTC
 TGGTCTTCTGTGTTGTTGTTGGGCTTCTGCTTCTCACCAATCAGTGGCAGCGCACGGCG
 CCAGGGCCCGCCACGACGACGGCGGGGACGCGCGCGGGCCGCCATCGCCTTACGCTTC
 TTCTCCATCCTCAGCTGGGTGGCGCTCACCGTGAAGGCCCTGCAGCGGTTCCGCTGGGC
 ACCGACATGTCACTTTCGCCACCGAACAGCTGAGCACCGGGGCGAGCCAGGCTACCCC
 GGCTATCCGGTGGGCAGCGCGTGGAGGGCACCGAGACCTACCAGAGCCCGCCCTTACC
 GAGACCCTGGACACCAGCCCAAAGGGTACCAGGTGCCCGCTACTAGCGGCTGGCAGGC
 ACAGACCAGGGCTCCAAGGCCACCCACCAACGCAGGCCCCAGGGTCTCCGGGACCTCCC
 TTGGGTCTTCCAGCTCAGTGCCGCGGACAGAGTAGGTGCCCGCTTTCGCCCATCCGGGG
 CCAAGAGGGGGTGGACCCGCGTGTCTGGGCTGCCCTGCCAAGTCCCCAGTCCCTCAG
 CACCTGGCCCCAGGACTGAGTCTGAGAAGGGGATAGCACTGCCAGGACGTGTGTCCC
 TAGCCTGGAATGGACTGGCCTGGGAAGGCTTTCCTTCTGGGCCACACCTGCTCACTC
 TGGGGTTGGGGTCCAGTGCCTCTACGATCAGGTGCAGGGGCTGCCAGGACAAAGCG
 GGGGCAGGGGAAAGACACCACCTCGCCCAAGACTGGGGATCCTGGCCACTGTTCCCAT
 CCCATGTCCTGTGGGTAGTGACTGTCTGTTTCTGTCATGGTGGTGCCTCCCGTCCGGA
 GCCACTTCCACTTCTCTCACAGGCTGCTAGAACAGCCAGCCCTGTCAGTGTGTGAT
 CATGGTCCAGTCTTCGGGTTTACCTCCTAGTACTCCACAAGCTGCTCCTCTCTGTGG
 CCCCAGCCCTGCCAGGTGTGGGTGGTCTGGCCAGGAAGGCACAAGGTAGCTGTGGGC
 CAAGACACCAGCCTGTCTAGCCCTTACGTAAGACCTTGCCAGGAGAGGAGAAGGATGC
 CTGGGTGCCAGGCAAGACAAGCCCTCAGCAGGAGAGAGGCCAGAGGCTCCAGCTGGCC
 ACCGTGCCCCACAAGATGGCCCTGTGTGGTTCCTTTACCTTGGCTTCTGGCCAGTC
 CCTGCCTCTCCACCTGCACCTGCTTCTGGCCAGTCCCAGGTTGGAGTCCCTCTGCAT
 AGCTGACTACTCATGCATTGCTCAAAGCTGGCTTTTACATTAAGTCAACACCAAACGTG
 GTTGCCACATTTTCATCAGACAGACACCTCCCTCTGGAGATGCAGTTGAGTGACAACCTT
 TTACATTTAGCCTAGACCAATTTCTGTGTGATATTTAAGTGAACATGTTTACAATTTT
 GTATATATCACTCTCTCCCTCTCCTGAAAGACCAGAGATTGTGTATTTTCAAGTGTCCAT
 GTTCCGACTGCACCTTCTTTACAATAAAGACTGTAAGTGAAGTGTGAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_004209

OTI Disclaimer: 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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: [NM_004209.4](#), [NP_004200.2](#)

RefSeq Size: 2054 bp

RefSeq ORF: 690 bp

Locus ID: 9143

UniProt ID: [O43761](#)

Cytogenetics: 16p13.3

Domains: Synaptogyrin

Protein Families: Transmembrane

Gene Summary: This gene encodes an integral membrane protein. The exact function of this protein is unclear, but studies of a similar murine protein suggest that it is a synaptic vesicle protein that also interacts with the dopamine transporter. The gene product belongs to the synaptogyrin gene family. [provided by RefSeq, Dec 2010]