

Product datasheet for **SC306268**

Synaptogyrin 1 (SYNGR1) (NM_145738) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Synaptogyrin 1 (SYNGR1) (NM_145738) Human Untagged Clone
Tag:	Tag Free
Symbol:	Synaptogyrin 1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	<p>>NCBI ORF sequence for NM_145738, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGTTGACCTTAGAGTTTGGGATTCTGGAATTCGATCCTTCATGGATAGGCAGCTGGACA CAGAGGTCGTGGGTGAGCTGGAGGAGCAGGCCCGGATGTGAGCTGTTCTCCATAGTGGTG TTCGGCTCCATCGTGAACGAGGGCTACCTCAACAGCGCCTCCGAGGGGGAGGAGTTCTGC ATCTACAACCGCAACCCCAACGCCTGCAGCTATGGCGTGGCCGTGGGCGTGCTCGCCTTC CTCACCTGCCTGCTGTACCTGGCCCTGGACGTGTACTTCCCGCAGATCAGCAGCGTCAAG GACCGCAAGAAAGCCGTCTGTCCGACATCGGTGTCTCGGCCTTCTGGGCTTTCCTCTGG TTCGTGGGATTCTGTACCTGGCCAACCAAGTGGCAGGTCTCCAAGCCCAAGGACAACCCA CTGAACGAAGGGACGGACGCAGCCCGGGCCGCAATCGCCTTCTCCTTTTCTCCATCTTC ACCTGGAGCCTGACCGCAGCCCTGGCCGTGCGGAGATTCAAGGACCTAAGCTTCCAGGAG GAGTACAGCACACTGTTCCCTGCCTCGGCACAGCCGTAG </pre>
Restriction Sites:	Please inquire
ACCN:	NM_145738
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).


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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_145738.1](#), [NP_663791.1](#)

RefSeq Size: 825 bp

RefSeq ORF: 579 bp

Locus ID: 9145

UniProt ID: [O43759](#)

Cytogenetics: 22q13.1

Protein Families: Transmembrane

Gene Summary: This gene encodes an integral membrane protein associated with presynaptic vesicles in neuronal cells. The exact function of this protein is unclear, but studies of a similar murine protein suggest that it functions in synaptic plasticity without being required for synaptic transmission. The gene product belongs to the synaptogyrin gene family. Three alternatively spliced variants encoding three different isoforms have been identified. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1c) encodes the shortest isoform. It contains a distinct 5' UTR and 5' coding region resulting in a frameshift and downstream translation initiation site, when compared to isoform 1a.