

Product datasheet for MG217607

Syngr1 (NM_009303) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Syngr1 (NM_009303) Mouse Tagged ORF Clone

Tag: TurboGFP

Symbol: Syngr1

Synonyms: p29; R75468; Syngr1b

Mammalian Cell

Selection:

Neomycin

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >MG217607 representing NM_009303

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGAAGGGGTGCGTACGGAGCGGGCAAAGCCGGGGGCGCCTTCGACCCCTACACCCTGGTGAGGCAGC CACACACCATCCTGCGCGTCTCTTGGGTCTTCTCCATCGTGGTCTTCGGCTCTATCGTGAACGAGGG CTACCTCAACAACCCAGAGGAGGAGGAGGAGTCTGCATCTACCAACCCCAATGCCTGCAGCTAC GGTGTGACTGTGGGTGTTGGCCTTCCTCACCTGCCTGCTCTACCTGGCGCTCGATGTGTACTTCCCGC AGATCAGCAGTGTCAAGGACCGCAAGAAGGCCGTGCTCTCTGACATCGGTGTCTCGGCCTTCTGGGCCTT CTTCTGGTTCGTGGGTTTCTGCTTCCTGGCCAACCAGTGGCAAGTCTCCAAGCCCAAGGACAACCCTCTG AACGAAGGGACGCAGCCCGGGCTGCCATCGCCTTCTCCTTCTTCTCCATTTTCACGTGGAGCCTGA CAGCAGCCCTGGCCGTACGAGATTCAAGGAGGATTACCTTCCAGGAGGAATACAACACACTGTTCCCTGC

CTCCGCACAACCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG217607 representing NM_009303

Red=Cloning site Green=Tags(s)

MEGGAYGAGKAGGAFDPYTLVRQPHTILRVVSWVFSIVVFGSIVNEGYLNNPEEEEEFCIYNRNPNACSY GVTVGVLAFLTCLLYLALDVYFPQISSVKDRKKAVLSDIGVSAFWAFFWFVGFCFLANQWQVSKPKDNPL

NEGTDAARAAIAFSFFSIFTWSLTAALAVRRFKELTFQEEYNTLFPASAQP

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



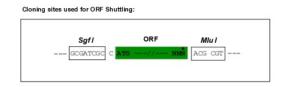
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

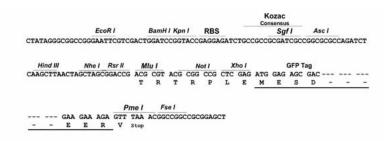
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

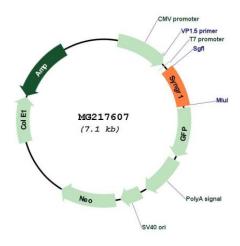


Cloning Scheme:





Plasmid Map:



ACCN: NM_009303

ORF Size: 573 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

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: <u>NM 009303.2, NP 033329.1</u>

RefSeq Size: 818 bp
RefSeq ORF: 576 bp
Locus ID: 20972
UniProt ID: O55100
Cytogenetics: 15 E1

Gene Summary: May play a role in regulated exocytosis. Modulates the localization of synaptophysin/SYP into

synaptic-like microvesicles and may therefore play a role in synaptic-like microvesicle

formation and/or maturation (By similarity). Involved in the regulation of short-term and long-

term synaptic plasticity (PubMed:10595519).[UniProtKB/Swiss-Prot Function]