

Product datasheet for **MG217607**

Syngn1 (NM_009303) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Syngn1 (NM_009303) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Syngn1
Synonyms: p29; R75468; Syngn1b
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG217607 representing NM_009303
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAAGGGGTGCGTACGGAGCGGGCAAAGCCGGGGCGCCTTCGACCCCTACACCCTGGTGAGGCAGC
 CACACACCATCTGCGCGTCGTGTCTTGGGTCTTCTCCATCGTGGTCTTCGGCTCTATCGTGAACGAGGG
 CTACCTCAACAACCCAGAGGAGGAGGAGGAGTTCTGCATCTACAACCGCAACCCCAATGCCTGCAGCTAC
 GGTGTGACTGTGGGTGTGTTGGCCTTCTCACCTGCCTGCTACCTGGCGCTCGATGTGTACTTCCCGC
 AGATCAGCAGTGTCAAGGACCGCAAGAAGGCCGTGCTCTCTGACATCGGTGTCTCGGCCTTCTGGGCCTT
 CTCTGGTTCGTGGGTTTCTGCTTCTGGCCAACCAAGTGGCAAGTCTCCAAGCCCAAGGACAACCCCTCTG
 AACGAAGGGACGGACGCAGCCCGGGCTGCCATCGCCTTCTCCTTCTTCCATTTTACAGTGGAGCCTGA
 CAGCAGCCCTGGCCGTACGCAGATTCAAGGAGCTTACCTCCAGGAGGAATACAACACACTGTTCCCTGCG
 CTCCGCACAACCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG217607 representing NM_009303
 Red=Cloning site Green=Tags(s)

MEGGAYGAGKAGGAFDPYTLVRQPHTILRVVSWVFSIVVFGSIVNEGYLNNPEEEEEFCIYNRNPACSY
 GVTGVLAFLTCLLYLALDVYFPQISSVKDRKKAVLSDIGVSAFWAFFWFVGFCLANQWQVSKPKDNPL
 NEGTDARAARAIASFSSIFTSWLTAAALAVRRFKELTFQEEYNTLFPASAQP

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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_009303.2](#), [NP_033329.1](#)

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]