

Product datasheet for **RN205042**

Syn3 (NM_017109) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syn3 (NM_017109) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Syn3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN205042 representing NM_017109
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAACTTCTCCGGAGGCGGCTGTCAGACAGCAGCTTTGTGGCCAACTGCCCAATGGCTACATGCCGG
 ACCTGCAGCGCCAGAGAGCTCCAGTAGCTCCCCAGCATCCCCAGCCACAGAGAGAAGGCATCCCCAGCC
 CCTGGCTGCCTCCTTCTTCTCCAGGATCCAGCCTGTTAGCTCCTTCTCCAGTGCCATGAAACAGACC
 CCACAGGCCCCGACAGGGCTAATGGAACCACTCCTGTACACCTGTGGTTCAAAGACCCAGGATCT
 TGTGGTCATTGATGATGCCACACAGACTGGTCGAAATATTTTCATGGGAAGAAAGTGAATGGCGACAT
 TGAGATCCGGGTGGAACAGGCTGAGTTCTCTGAGCTGAACCTGGCTGCTTATGTCACCGGAGGCTGCATG
 GTGGACATGCAAGTTGTGAGAAATGGCACAAAATTTGCGGTCCTTCAAACCTGACTTCATTCTGGTTA
 GACAGCATGCCTATAGCATGGCCCTGGCTGAGGACTACCGAAGCCTGGTCATCGGCCTCCAGTATGGAGG
 GCTTCTGCTGTCAACTCTCTACTCCGTATACTCAACTTCTGCAGCAAGCCTTGGGTGTTCTCTCAGCTC
 ATTAAGATCTTCCATTCCCTGGGTCTGAGAAGTTCCACTAGTGGAGCAAACATTTTTCCCAACCACA
 AGCCAATGCTCACAGCCCCGAACCTCCCTGTGGTGATCAAGCTGGGACACGCTCATGCTGGCATGGGAAA
 GATCAAAGTAGAAAACAGCAGACTACCAGGACATCACCAGCGTGGTGGCCATGGCCAAAACCTATGCC
 ACCACGGAGGCCCTTATTGACTCCAAGTATGACATCCGCATACAGAAGATCGGATCCAACATAAGGCAT
 ACATGAGAACCTCCATCTCTGAAACTGGAAGGCCAACACAGGCTCTGCTATGCTGGAGCAGGTGGCCAT
 GACGGAAGGTACAGGCTGTGGGTGGACAGCTGCTCAGAAATGTTGCGCGCCTAGACATCTGTGCTGTC
 AAGGCCGTTACAGCAAGAATGGCAGAGATTATCATTGAGGTCATGGACAGTTCAATGCCACTGATTG
 GAGAACATGTGGAGGAGGACAAGCAGTTAATGGCTGACCTGTTGTTTCCAAGATGAGCCAACCTCTGGT
 GCCAGGGCCTCGGTGCCCTCCCCCTGAGACCTTGGGGTCCACAGACTAAATCTGCAAAATCTCCAGGG
 CAAGGCCAGCTAGGACCTCTGCTCGACAGCCCCAGCCAAGGCCACCTCCACAAGGGGGCCTCGTCAGG
 CTCAGTCTCCTCAGCCTCCCAGATCTAGAAGTCCATCCCAGCAGAGGCTCTCCCCACAAGGTCAGCAGCC
 TGTGAGTCCCCAGTCAGGATCCCACAGCAGCAAAGGTCACCAGGTTCTCCACAGCTATCCCGGCATCT
 GGCGGCAGTTCTCAAACAGGCCCTCAAAGCCAACCTGCCAGTCTCAGTTCACATACCCGGCCTCTGTGC
 AGGGACGCAGCACCTCCCAGCAGGTTGAAGAACCCAAAAGACAGCATCACCTCACCCCCACCTCAACAA
 ATCTCAGTCCCTGACTAACAGCCTCAGCACGTGAGTACCTCCCATCGAGGAACCCCAAGTGAAGATGAG
 GCCAAGGCTGAGACAATCCGCAACCTGAGGAAGTCTTTGCCAGCCTCTCTCCGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_017109

Insert Size: 1740 bp

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).

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_017109.1](#), [NP_058805.1](#)

RefSeq Size: 2270 bp

RefSeq ORF: 1740 bp

Locus ID: 29130

UniProt ID: [O70441](#)

Cytogenetics: 7q13

Gene Summary: required for Ca²⁺ regulation of neurotransmitter release [RGD, Feb 2006]