

## Product datasheet for **MC206297**

### Syng<sub>r</sub>3 (BC025022) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Syng <sub>r</sub> 3 (BC025022) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Syng <sub>r</sub> 3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC025022  
 GCTTCATCCCCGGGCGGTCTCCGGCGGGGAAGGCCGGTGGGACAAACGGACAGAAGGCAAAGTGCCCGCA  
 ATGGAGGGAGCATCCTTTGGCGCGGGCCGTGCGGGAGCTGCCTTTGATCCCGTGAGCTTTGCGCGGGCGG  
 CCCAGACCCTGTTGCGGGTGTGTCTCTGGGTGTTTTCTATTGCGGTGTTCCGGACCGATTGTCAACGAGGG  
 CTACGTGAACTCCGACAGTGGTCCAGAAGTGCCTGCGTCTTCAACGAAATGCGGGAGCCTGCCGCTTC  
 GGCGTCGTAAGTCTAGGGCCCTTCATCGCTGCGTGGCCTTCTTGTGTGGACGTGGCCTTTTCCAGC  
 AGATCAGCAGCGTCCGAGACCGTCCGGGGTGTGCTACTGGACCTGGGCTTCTCAGGGGTCTGGTCCCT  
 CCTGTGGTTCGTAGGCTTCTGTTTCTCCTACCAATCAGTGGCAACGAACAACGCCAGGGCCAGGCACCGCG  
 CAGGCTGGAGATGCGGCGCGTGTGCCATCGCTTTCAGCTTCTTCTCCATCCTCAGCTGGGTGGCGCTCA  
 CCGTGAAGGCCCTGCAGCGGTTCCGCTAGGCACCGATATGTCTCTTTGCCACAGATCAGCTAGGTAC  
 TGGGGTGTCCAGGCCTACCCAGGCTACCCAGTGGGCAGTGGTGTGGAGGTACAGAAACATACCAGAGC  
 CCGCCCTTCACTGAGACCCTGGACACCAGCTCCAAAGGGTACCAGGTGCCTGCCTATTAGTAGGTGTAG  
 GCTCCGGCCAGGGCTGGAAGGCCACCTACCACCGTAGGCCTCAAGGCCTCCTGAGACCTTTTCTGGGT  
 CTACCGTCCAAAGGACAGAGAAGGTGGCCACTATGGGCCTCTGGGACCAAGGGGAGTAGCCTCCCTGGT  
 CCTGGACTGTCCCACAAAGTTCCTCCCTAGCCAGAGATCTCAGTCTTAAGGCCCTGAGAAGAAAACACT  
 TTCTTGGAGTGGACTGGCCTGGGAGGCATTCTTTTATGGGCCAGCCAACAGGGACTCACCTGTCCACT  
 CTAGGTGAGAAGTCCAGCTGCCTCCCAGCTCAGGGTGAAGGGCTCTGGGGACCAGGGAGAGGGAGACTA  
 ATTGTACCCTTAGGTGGGGATTATGGCCCTTGTCCAGTCCCATGTCCCTGGTCCACATGGTGGTCCA  
 CCCTGTCCAGAGGCTCCCTCCCTCCTCTTACAGGATCCCTAGAGCAGCTCAGCCCTGTCGGTGTGCGTGA  
 TTGTGATTAAGTCTTCAAGTCTCATCTCATAGTCCCCCATAAGCCGCCCTCTCTGTGTGGCTCCTGCC  
 CAGGTGTTTCTGGCCAGGAAGGTATAGACAAGTATGGGCCTGGGCACCCGCCCTTCAAGAACCTTCCC  
 TAGGGAACAGACAGCTGGGTACCTGGGTGCCAGGCAAGACAAGACTCTTACAAGGAGAGGACTAAAGGTC  
 TCATCTGCCAGGGTGTCACTGGAGAGTCTTCTGTAATGGCTTAACCTTGGCTTCTGAACCAAGTCC  
 CTCCCTAGTCTATCTTCTATCCCTTTTAAAGGCCAGACCAGGTGTGGGTCTTGTGCATAGCAGACTAC  
 TCATACATTGCTTGAAGCTGGCTTTTACATCAAGTCAAAACCAAACTCGTTGCCATGTCTCATTCTTCC  
 AGACAAAATGCCTCCCTGTGGAGTTGCAGTTGAATGACAACCCTGTACGTTGTAGCATAGACCAATCATG  
 TGGATATTTAAGTGAACATGTTTACAATTTTGTATATATGGATCTATTCTTTTCTCTGAAAGAACAA  
 TCCATGATTGTGATTTTCAAGTGTCCCCTGTTACAAGTCAACTCTTTACAATAAAGACTGTACGTGCA  
 TTGCCCATCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** EcoRI-NotI

**ACCN:** BC025022

**Insert Size:** 690 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:** [BC025022](#), [AAH25022](#)

RefSeq Size: 1928 bp

RefSeq ORF: 690 bp

Locus ID: 20974

Cytogenetics: 17 A3.3

**Gene Summary:** May play a role in regulated exocytosis (PubMed:10383386). May indirectly regulate the activity of the plasma membrane dopamine transporter SLC6A3 and thereby regulate dopamine transport back from the synaptic cleft into the presynaptic terminal (PubMed:19357284).[UniProtKB/Swiss-Prot Function]