

## Product datasheet for **MC219292**

### **Syn3 (NM\_013722) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Syn3 (NM_013722) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Syn3
Synonyms:	MGC130403
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219292 representing NM\_013722  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAACTTCTCCGGAGCGGCTGTCTGACAGCAGCTTTGTGGCCAACTGCCCAATGGCTACATGCCGG  
 ACCTGCAGCGCCAGAGAGCTCCAGTAGCTCTCCAGCATCCCCGGCCACAGAGAGGAGGCCACCCAGCC  
 CCTGGCTGCCTCCTTCTCATCTCCAGGATCCAGCCTGTTAGCTCCTTCTCCGGTCCATGAAACAGACC  
 CCACAGGCTCCCTCAGGGCTGATGGAACACCCACTCCTGTCACACCCGTGGTTCAGAGACCCAGGATCT  
 TGTGGTTATCGATGACGCCATACAGACTGGTCAAAGTATTTTCATGGGAAGAAAGTGAATGGCGACAT  
 TGAGATCCGAGTGAACAGGCTGAGTTCTCTGAGCTGAACCTGGTGTCTATGTTACCGGAGGCTGCATG  
 GTGGACATGCAAGTTGTGAGAAATGGCACCAAATTTGTGCGGTCCTTCAAACCTGACTTCATCCTGGTCC  
 GACAGCATGCCTACAGCATGGCCCTGGCTGAGGACTACCGGAGCCTGGTTCATCGGCTCCAGTATGGAGG  
 GCTTCTGCTGTCAACTCTCTACTCCGTATACTCAACTTCTGCAGCAAGCCTTGGGTGTTTTCTCAGCTC  
 ATTAAGATCTTCCATTCCCTGGGTCCTGAGAAATTTCCACTAGTGGAGCAAACATTTTTCCCAACCACA  
 AGCCAATGCTCACAGCCCGAACTTCCCCGTGGTATCAAGCTGGGACATGCCATGCTGGCATGGGAAA  
 GATCAAAGTAGAAAACAGCAGACTACCAGGACATCACCAGCGTGGTGGCCATGGCCAAAACCTATGCC  
 ACCACGGAGGCCTTTATTGACTCCAAGTATGACATCCGCATACAGAAGATTGGATCCAACATAAGGCAT  
 ACATGAGAACCCTCATCTCTGGAACTGGAAGGCCAATACAGGCTCTGCTATGCTGGAGCAGGTGGCCAT  
 GACAGAAAGGTACAGGCTGTGGGTGGACAGCTGCTCAGAAATGTTCCGGCGCCTAGACATCTGTGCTGC  
 AAGGCTGTCCACAGCAAGGACGGCAGAGATTATATCATCGAGGTCATGGACAGTTCAATGCCCTGATTG  
 GAGAACACGTGGAAGAAGACAAGCAGCTAATGGCTGACCTTGTGTTTTCCAAGATGAGCCAACCTCTGGT  
 GCCAGGGCCACGGTGCCTCACCTCTGAGACCTTGGGGTCCACAGACTAAACCTGCAAAATCTCCAGGG  
 CAAGGCCAGCTAGGACCTCTACTAGGACAGCCCAAGGCCACCTCCACAAGGGGGCCCTCGTCAGG  
 CTCAGTCTCCTCAGCCTCCAGATCTAGGAGTCCATCCCAACAGCGACTCTCGCCACAAGGCCAGCAGCC  
 TGTGAGTCCCCAGTCAGGCTCTCCACAGCAGCAAAGGTACCGGGGTCTCCACAGCTATCCCGGCCATCC  
 GGTGGCAGTTCTCAAACCAGGCCTCAAAGCCAAGTCCAGCCTCAGTTCACACAACCGGCCTCCAGTGC  
 AGGACGCAGCACCTCCAGCAGGGTGAAGAGCCTCAAAAATCAGCATCACCCACCCACCTCAACAA  
 ATCTCAGTCCCTGACTAACAGCCTCAGCACATCAGATACCTCCCATCGAGGGACCCCAAGTGAAGATGAG  
 GCCAAGGCTGAGACAATCCGCAACTGAGGAAGTCTTCCGCGAGTCTCTCTCTGACTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_013722
- 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\\_013722.3](#), [NP\\_038750.2](#)

**RefSeq Size:** 8797 bp

**RefSeq ORF:** 1740 bp

**Locus ID:** 27204

**UniProt ID:** [Q8JZP2](#)

**Cytogenetics:** 10 C1

**Gene Summary:** May be involved in the regulation of neurotransmitter release and synaptogenesis. Binds ATP with high affinity and ADP with a lower affinity. This is consistent with a catalytic role of the C-domain in which ADP would be dissociated by cellular ATP after bound ATP was hydrolyzed (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.