

## Product datasheet for **MC209772**

### Syn3 (NM\_001164495) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Syn3 (NM\_001164495) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Syn3  
**Synonyms:** MGC130403  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209772 representing NM\_001164495  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAACTTCTCCGGAGGCGGCTGTCTGACAGCAGCTTTGTGGCCAACTGCCAATGGCTACATGCCGG  
ACCTGCAGCGCCAGAGAGCTCCAGTAGCTCTCCAGCATCCCCGGCCACAGAGAGGAGGCCACCCAGCC  
CCTGGCTGCCTCCTTCTCATCTCCAGGATCCAGCCTGTTTCAGCTCCTTCTCCGGTGCCATGAAACAGACC  
CCACAGGCTCCCTCAGGGCTGATGGAACCACTCCTGTACACCCCGTGGTTCAGAGACCCAGGATCT  
TGTTGGTTATCGATGACGCCATACAGACTGGTCAAAGTATTTTCATGGGAAGAAAGTGAATGGCGACAT  
TGAGATCCGAGTGAACAGGCTGAGTTCTCTGAGCTGAACCTGGCTGCTTATGTTACCGGAGGCTGCATG  
GTGGACATGCAAGTTGTGAGAAATGGCACAAAATTTGTGCGGTCCTTCAAACCTGACTTCATCCTGGTCC  
GACAGCATGCCTACAGCATGGCCCTGGCTGAGGACTACCGGAGCCTGGTCATCGGCCTCCAGTATGGAGG  
GCTTCTGCTGTCAACTCTCTACTCCGTATACTTCTGCAGCAAGCCTTGGGTGTTTTCTCAGCTC  
ATTAAGATCTCCATTCTTGGGTCCTGAGAAATTTCCACTAGTGAGCAAACATTTTCCCAACCACA  
AGCCAATGCATTTTACTCATTCCCTCCGATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001164495  
**Insert Size:** 732 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001164495.1</a></u> , <u><a href="#">NP_001157967.1</a></u>
<b>RefSeq Size:</b>	4020 bp
<b>RefSeq ORF:</b>	732 bp
<b>Locus ID:</b>	27204
<b>Cytogenetics:</b>	10 C1
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR and coding region, compared to variant 1. The encoded isoform (2) is shorter and has a unique C-terminus, compared to isoform 1.</p>