

Product datasheet for **MR225803**

Syn3 (NM_001164495) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Syn3 (NM_001164495) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Syn3
Synonyms: MGC130403
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR225803 representing NM_001164495
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAACTTCTCCGAGGCGGCTGTCTGACAGCAGCTTTGTGGCCAACCTGCCAATGGCTACATGCCGG
ACCTGCAGCGCCAGAGAGCTCCAGTAGCTCTCCAGCATCCCGGCCACAGAGAGGAGGCCACCCAGCC
CCTGGCTGCCTCCTTCTCATCTCCAGGATCCAGCCTGTTGAGCTCCTTCTCCGGTGCCATGAAACAGACC
CCACAGGCTCCCTCAGGGCTGATGGAACACCCACTCCTGTACACCCCGTGGTTCAGAGACCCAGGATCT
TGTTGGTTATCGATGACGCCCATACAGACTGGTCAAAGTATTTTCATGGGAAGAAAGTGAATGGCGACAT
TGAGATCCGAGTGAACAGGCTGAGTTCTGAGCTGAACCTGGCTGCTTATGTTACCGGAGGCTGCATG
GTGGACATGCAAGTTGTGAGAAATGGCACAAAATTGTGCGGTCCTTCAAACCTGACTTCATCCTGGTCC
GACAGCATGCCTACAGCATGGCCCTGGCTGAGGACTACCGGAGCCTGGTCATCGGCCTCCAGTATGGAGG
GCTTCTGCTGTCAACTCTCTACTCCGTATACTTCTGCAGCAAGCCTTGGGTGTTTTCTCAGCTC
ATTAAGATCTCCATTCTTGGGTCCTGAGAAATTTCCACTAGTGGAGCAAACATTTTCCCAACCACA
AGCCAATGCATTTTACTCATTCCCTCCGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_001164495.1 , NP_001157967.1
RefSeq Size:	4020 bp
RefSeq ORF:	732 bp
Locus ID:	27204
Cytogenetics:	10 C1
MW:	27.6 kDa
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]