

Product datasheet for **MR225758**

Syn3 (NM_013722) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR225758 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACTTCTCCGGAGCGGCTGTCTGACAGCAGCTTTGTGGCCAACTGCCCAATGGCTACATGCCGG
 ACCTGCAGCGCCAGAGAGCTCCAGTAGCTCTCCAGCATCCCCGGCCACAGAGAGGAGGCCACCCAGCC
 CCTGGCTGCCTCCTTCTCATCTCCAGGATCCAGCCTGTTGAGCTCCTTCTCCAGTGCCGTGAAACAGACC
 CCACAGGCTCCCTCAGGGCTGATGGAACACCCACTCCTGTACACCCCGTGGTTCAAAGACCCAGGATCT
 TGTGGTTATCGATGACGCCATACAGACTGGTCAAAGTATTTTCATGGGAAGAAAGTGAATGGCGACAT
 TGAGATCCGAGTGAACAGGCTGAGTTCTCTGAGCTGAACCTGGCTGCTTATGTTACCGGAGGCTGCATG
 GTGGACATGCAAGTTGTGAGAAATGGCACAAAATTTGCGGTCCTTCAAACCTGACTTCATCCTGGTCC
 GACAGCATGCCTACAGCATGGCGCTGGCTGAGGACTACCGGAGCCTGGTCATCGGCTCCAGTATGGAGG
 GCTTCTGCTGTCAACTCTCTACTCCGTATACTCAACTTCTGCAGCAAGCCTTGGGTGTTTTCTCAGCTC
 ATTAAGATCTTCCATTCCCTGGGTCCTGAGAAATTTCCACTAGTGGAGCAAACATTTTTCCCAACCACA
 AGCCAATGCTCACAGCCCCGAATTCCCCGTGGTATCAAGCTGGGACATGCCATGCTGGCATGGGAAA
 GATCAAAGTAGAAAACAGCAGACTACCAGGACATCACCAGCGTGGTGGCCATGGCCAAAACCTATGCC
 ACCACGGAGGCCCTTATTGACTCCAAGTATGACATCCGCATACAGAAGATTGGATCCAACATAAGGCAT
 ACATGAGAACCCTCATCTCTGAAAACCTGGAAGGCCAATACAGGCTCTGCTATGCTGGAGCAGGTGGCCAT
 GACAGAAAGGTACAGGCTGTGGGTGGACAGCTGCTCAGAAATGTTGCGCGCCTAGACATCTGTGCTGTC
 AAGGCTGTCCACAGCAAGGACGGCAGAGATTATATCATCGAGGTCATGGACAGTTCAATGCCCTGATTG
 GAGAACACGTGGAAGAAGACAAGCAGCTAATGGCTGACCTTGTGCTTTCCAAGATGAGCCAACTCCTGGT
 GCCAGGGCCACGGTGCCTCACCTCTGAGACCTTGGGGTCCACAGACTAAACCTGCAAAAATCTCCAGGG
 CAAGGCCAGCTAGGACCTCTACTAGGACAGCCCCAGCCAAGGCCACCTCCACAAGGGGGCCCTCGTCAGG
 CTCAGTCTCCTCAGCCTCCAGATCTAGGAGTCCATCCCAACAGCGACTCTCGCCACAAGGCCAGCAGCC
 TGTGAGTCCCCAGTCAGGCTCTCCACAGCAGCAAAGGTACCCGGGGTCTCCACAGCTATCCCGGGCATCC
 GGTGGCAGTTCTCAAACCAGGCCTCCAAGCCAAGTGCCAGCCTCAGTTCACACAACCGGCTCCAGTGC
 AGGGACGCAGCACCTCCAGCAGGGTGAAGAGCCTCAAAAATCAGCATCACCCACCCACCTCAACAA
 ATCTCAGTCCCTGACTAACAGCCTCAGCACATCAGATACCTCCATCGAGGGACCCCAAGTGAAGATGAG
 GCCAAGGCTGAGACAATCCGCAACTGAGGAAGTCTTCGCCAGTCTCTCTCTGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR225758 protein sequence
 Red=Cloning site Green=Tags(s)

MNFLRRRLSDSSFVANLPNGYMPDLQRPESSSSPASPATERRHPQPLAASFSSPGSSLFSSFSVAVKQT
 PQAPSGLMEPPTPVTPVQRPRIILLVIDDAHTDWSKYFHGKKNVNGDIEIRVEQAEFSELNLAAYVTGGCM
 VDMQVVRNGTKIVRSFKPDFILVRQHAYSMALAEYRSLVIGLQYGGLPVNSLYSVYNFCSKPWFVSQL
 IKIFHSLGPEKFLVEQTFPNHKPMLTAPNFPVVIKLGHAHAGMGKIKVENQHDYQDITSVVAMAKTYA
 TTEAFIDSKYDIRIQKIGSNYKAYMRTSISGNWKANTGSAMLEQVAMTERYRLWVDSCEMFGGLDICA
 VAVHVKDGRDYIEVMDSSMPLIGEHEEDKQLMADLVVSKMSQLLVPGATVPSPLRPWGPQTKPAKSPG
 QQQLGPLLGQPQPRPPQGGPRQAQSPQPPRSRSPSQRLSPQGGQPVSPQSGSPQQRSQSPGSPQLSRAS
 GGSSPNQASKPSASLSSHNRPVQGRSTSQQGEEPQKSASPHPHLNKSQSLTNSLSTSDTSHRGTPSEDE
 AKAETIRNLRKSFASLFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

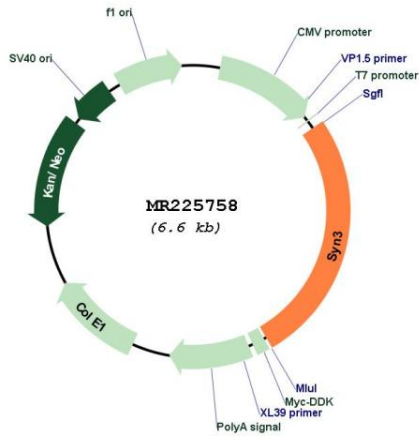
Restriction Sites:

SgfI-MluI

MW: 63.3 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]

Product images:



Circular map for MR225758