

Product datasheet for **RR209259**

Sync (NM_001108683) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sync (NM_001108683) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sync
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR209259 representing NM_001108683
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCAGCCAGGAACCCCTGCGCGCGGGGACGGCGCCCGGGCCGCGAGGGATACACACAGAGGCCA
 GTTTTCCTCTTACGACTCAGAATCCCCAAGGAGGCCAAGACCTTTAACCCAGAGGCCACTCTGTCTTT
 GGAGGGGAGTGTGAACCTAGAGGACATTCTCTATCTGGGGGCATCGGGGACTTTGAAGAGAGTCTTTAT
 GAGGAAGAGTTTGAGAAGCCAGAGCAGACACTGTATATTGACGAATCGAGGCAGCCAGACGAGGCCCTGG
 ACCTGGAAGAGCTTGTGAGTCCAGAGGAGACGCTGTCTGTGGAGGAACCTGTGAGACCAGAGGAGGTACA
 GTTCTCGGAGCAGCCTGTGGCGCCAGCTGAGAGCCCAACTGCTTGCAGGGGAGAAATGGTGACCACCACG
 GAGGAAAGCCGTCCAGCTCAACCGATCCCGGCACGGAGGAGAGCCTCAGTGTGGAGGACCTGGAGCTGC
 TAGAAGGCCGTTCCAGCAGTGCGTACAGGCTGTATCTCAGCTGGAAGAGGAGAGGGACCGGCTTATCCA
 CGAGCTGGTGCTGCTCCGCGAACCGGCCCTGCAGGAGGTACAGCAGGTCCACCAGGACATCTGGCTGCC
 TACAAGCTGCACGCACAGGCCGAGCTGGAGAGGGACGGGCTCAGGGAGGAGATCCGGACGGTGAAGCAGA
 AGCTGTTCAAGGTGACCAAGGAATGCGTGGCTTACCAATACCAGCTGAAGTGCCACCAGCAGGACGTGGC
 TCAGTTTGCAGATTGCAGGGAAGCGCTGACCACCCGGGCCCGCCAGCTCTCTGGAGAACTGACCCAGCTC
 CGCGATGCCTATCAGAAGCAGAAGGAGCAGTTGCAGCAACAGCTAGAGGCACCCCGACCCAGAGCGATG
 GGCACCTTCTCCAGGAGAGCCGACGGCTGTGACACAGTTTAAAATCTCATGGCGGAAAGCCGTACAGGG
 CCTGGAGGACGAATGAACCCCAACTGCTTCGGCTCTGGAAGGAAAGAGGGCGGGGACCAGAGCTCTG
 CAGGACACCCAGGCGGAGATCCAGGAGATGAGGGAGGCTCTGAGACCCCTGGAAGCAGAGGCCCGGCAGC
 TCCAGCTTCAGAACAGGAACCTGGAGGACCAGATCACGCTCGTGAGGCAAAAACACGACGAAGAGGTTCT
 ACAGTACAGGGAGCAGCTGGAGGAGATGGAAGAGAGGCAGCGGCAGTTACGCAGTGGGGTGAAGTTTCA
 CAGCAGAAGAACAAGGAGATGGAGCAGCTGAGGACAAGCCTTGTGAAAGACTTTCCACATATAAGGCCA
 TGCTACCAAGAGTCTGGATCAGGCTGATGCACCTACTCCTCAGGCAGGTGGAGTCGAGGCACAATCCCC
 AGGGACTGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209259 representing NM_001108683
 Red=Cloning site Green=Tags(s)

MASQEPLRGGDGARAARDTHTEASFPLQDSESPKEAKTFNPEATLSLEGSVNLEDILYLGASGDFEESLY
 EEEFEKPEQTLYIDESRQPDEALDLEELVSPEETLSVEEPVVRPEEVQFSEQPVPAPAESPTACEGEMVTTT
 EESRPAQPIPGTEESLSVEDLELLEGRFQQCVQAVSQLEEERDRLIHEL VLLREPALQEVQVHQDILAA
 YKLHAQAELE RDGLREE IRTVKQKLFKVTKECVAYQYQLKCHQQDVAQFADCREAL TTRAAQLSGELTQL
 RDAYQKQKEQLQQLEAPPTQSDGHFLQESRRLSTQFENLMAESRQGLEDEYEPQLRLRLERKEAGTRAL
 QDTQAEIQEMREALRPLEAEARQLQLQNRNLEDQITLVRQKHDEEVLQYREQLEEMEERQRQLRSGVQVQ
 QQKNKEMEQLRTSLAEELSTYKAMLPKSLDQADAPTPQAGGVEAQSPGTV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001108683

ORF Size: 1410 bp

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:

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_001108683.1, NP_001102153.1
RefSeq Size: 2156 bp

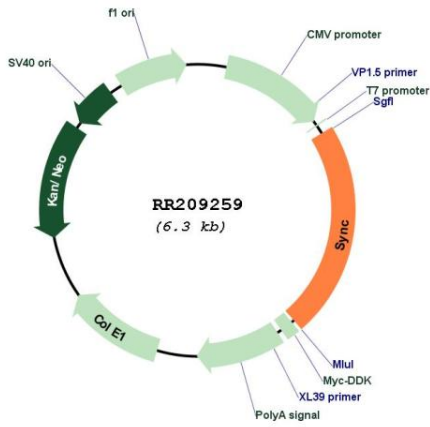
RefSeq ORF: 1413 bp

Locus ID: 362606

Cytogenetics: 5q36

MW: 53.6 kDa

Product images:



Circular map for RR209259