

Product datasheet for **RR205530**

Syne3 (NM_001106762) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syne3 (NM_001106762) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Syne3
Synonyms:	RGD1304563
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RR205530 representing NM_001106762
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACGCAGCAGCCCCAGGAGACTTCGACAGGAGTGTGGAGGATGCCAGGCATGGATGAAGGCAGTAC
 AGGAGCAGCTTCAGGTCAATGACAACACGAAGGGGCCCGAGCAGCCCTGGAGGCCAGGCTGCGAGAGAC
 AGAGAAAATCTGTCTGAGCTGGAGCCTGAGGGATGCATAAAGGTGGAACCTGGTCTCGCGGCAGCTGAGGCC
 CTCTTGCAACTTGCAGGAGGGCCAGAAAACCTGAGATCCTGGCCCGGCTGAGGGATATCAAGTCTCAGT
 GGGAGGAGACGGTACCTACATGACTCACTGCCACAGTCGCATCGAGTGGGTGTGGCTGCACTGGAGCGA
 GTACCTGCTGGCCAGGACGAGTTTTACCGATGGTTCAGAAAGATGGTGGTACGCTGGAGCCCCCGTG
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 ACAATCAGGCTGTCTCCTGGACAGGCTGCTGGAGGAGGGCGGCTCCCTGTTGAGCAGGATCGGGGACCC
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 AGGGTGGAGCTCCTGGCCAGGTGGCCAGGACCATGAGCAGTACCGGGAGGACGTGAGCGAGTTCAGC
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 CTTGAGAGGCTGGCCAGCAAGGCTGGAGCCACGGTGAAGACGGCCACAGAGGATGAGCTAGTGGCC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR205530 representing NM_001106762
 Red=Cloning site Green=Tags(s)

MTQQPQEDFDRSVEDAQAWMKAVQEQLQVNDNTKGPRAALEARLRETEKICQLEPEGCIKVELVLRAAEA
 LLATCQEGQKPEILARLRDIKSQWEETVYMTCHSRIEWWLHWSEYLLAQDEFYRWFQKMVVTLEPPV
 ELQLGLKEKQWQLSHAQVLLHNVDNQAVLLDRLLLEEAGSLFSRIGDPSVDEEAQKRMKAEYDAVKARQH
 RVELLAQVAQDHEQYREDVSEFQLWLKALVEKVHGCLGRNCKLATEPRLSVLQDIAKDFPRGEESLNRLE
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 LQRLAQQGLEPTVKTATEDELVAHWRLFSGTRAALASEEPRVDRLQTQLKELVIFPDLQSLSDSVVAAIQ
 EYQSMKGNARLHNATRTTELWQRSQRSLNDLQLWKALAQRLLDITTSPLDASIHTFLPQIEAALTESSR
 LKEQLSMLQLKTDLLGSIFGQERAATLLEQVTGSVDRDRLHNSLLQRKSKLQSLLVQHKDFGVAFDPLH
 RKLLDLQARIQAEKGLQRDLPGKQVQLRLQLQEGLDLGTQIEAVRSLAQGNSKYQHKVDQISSDQQA
 LQRSLDELVDRCQQNVREHCTFSHRLLELQLWITMATQTLQESHQGMRLWDAESQEAGLERLLSEIPEKE
 VQLSLLQALGQLVMKKSSPEGAAVVQEELRKLMEQWALRLLSMLSLMRNEQLQRTEVDTGKKQVFTN
 NIPKAGFLINPQDPIPRRRHGVNPPPEEHDLLLEDHPQLREFEQWQAENSKLLRITMRTATAKDLRTR
 LKQLQELARIPGQILFENLLRHRPARDPSNELEDLRYRWMLYKSKLKGSGDLLTESSPGELTAFQKSRQ
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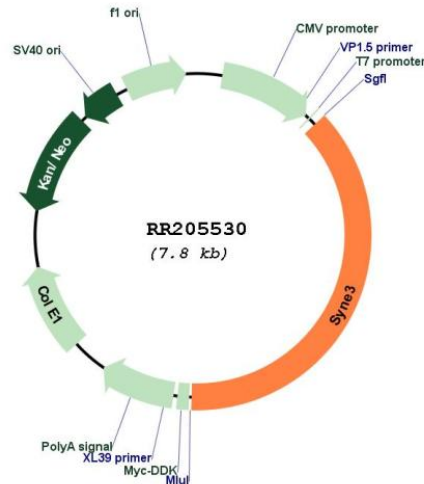
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001106762

ORF Size: 2928 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_001106762.1](#), [NP_001100232.1](#)

RefSeq Size: 5071 bp

RefSeq ORF: 2931 bp

Locus ID: 299356

Cytogenetics: 6q32

MW: 112.2 kDa