

## Product datasheet for **RR209031**

### Synrg (NM\_053419) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Synrg (NM\_053419) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Synrg  
**Synonyms:** Ap1gbp1; Syng  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR209031 representing NM\_053419  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
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 GCTTCATGTTTCTGTGCGAGGTGGCATGAGACCCCTCAAGGCTGATTCCAATGCAGCAGCAAGGATT  
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 CAGGGACCCATTGCAATGCAGGCAGGAATACCAATGGGGCCAATGCCAGCAGCGGGTGTACCTTTCTGG  
 GTCAGCCACCTTTTCTGGGCATGCGTCCTGCAGCCCCACAGTACACTCCAGACATGCAGAAGCAGTTTGC  
 GGAAGAGCAACAAAAACGATTTGAACAACAACAAAAGCTCTTAGAAGAAGAAAAGAAAACGACGTCAGTTT  
 GAAGAGCAAAAACAAAAGCTCAGACTTCTGAGTAGCGTGAAACCAAGACAGGAGAGAAGAACAGAGACG  
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GCCTTGACAGCCCATCATGGGCATTAACCTTGTGGACCAGTGGGTGGAGCTGCAGCGCAACTTCCAG  
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GCTTGTGGAGTGTCTCCTAAATGTGGACTCCAGAAGCCGAAAGAAGAGACACCTGCAGAAGAACAGC  
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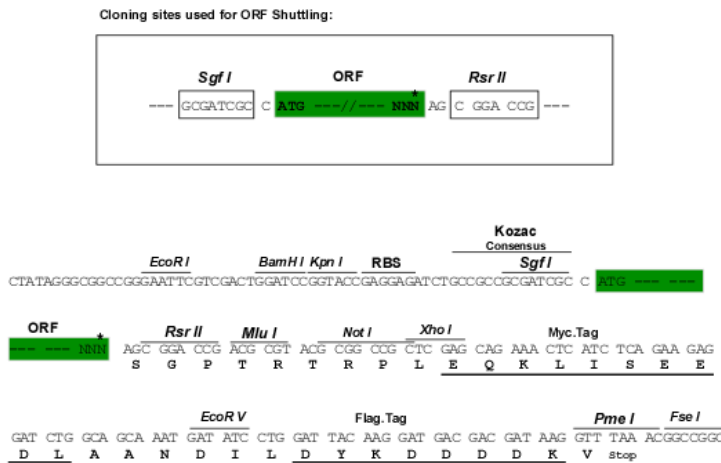
Protein Sequence: >RR209031 representing NM\_053419  
 Red=Cloning site Green=Tags(s)

MALRPGAGASGAAGAGTGPGGAGSFMFPVAGGMRPPQGLIPMQQQGPFMVSVMQPNMQGMMGMNYSSQMS  
 QGPIAMQAGIPMGMPAAGVPFLGQPPFLGMRPAAPQYTPDMQKQFAEEQQKRFEEQQKLEEEKRRQF  
 EEQKQKLRLLSSVKPKTGEKNRDDALEAIKGNLDGFSRDAKMHPHPASHPKKPCPTSSHSTKTVSPSSA  
 FLGEDEFSGFMQGPVELPTCGPSSTAQPFQSFPLPSTPLGQLHTQKAGAQLPPGQAPVSFAVHGVBHQIP  
 CLSAASASHSMQKAGPSLEEKLLVSCDISASGQEHKLSPEAGHRVAVPGSSKNSPGLMAHNGGAVDGC  
 VSGPTTAVAEKTSQNLKSEESGVGVFSPQDPVQPRMPPWIYNEVSLVPDAYKKILETTMTPTGIDTAKLY  
 PILMSSGLPRETLGQIWALANRTTPGKLTKEELYTVLAMVAVTQRGVPAMSPDLNQPAAPIPTLSGFP  
 MTLPTPVSQPTAMTSGPAGSIPLSLGQPIMGINLVGPVGGAAAPTSSGFMPAYPSNQVGKTEEDDFQDFQ  
 DASKSGSIDDSFTDFQEVPAASKTSNSQHGNSAPSLLIPLPGTKASTDKYAVFKGISAEKPSNPASFG  
 SGDKYSAFRELEPTADSKPLGESFAEFRTGTDDGFTDFKTADSVSPLEPPTKDSFSAFASGAAQTQT  
 QVKTPLNLADLDMFSSVDCSGEKVPVFAAFSTSKSVSRPQAPAGSAAAPASLASTKASSLADDFGEFNL  
 FGEYSNPASVGEQDDFAFMAFGNSSIPSEPKADKYEALREEGSPGALSTSTVEGAHNPPVSSSKYDVF  
 KQLSLEGALIEEFKENTPSTKSDGDFADFHSSKFSSTSSDKSLGKAVAFRHAKEDSASVKSLLDPSI  
 GGSSVKGEDSEDALSVQFDMKLDVGGDLKHMVSDSSLDLPTVSGQHPPAAGSALASEDALPETPFAFA  
 SFKDMMPTTEQKEYESGDFQDFTRQDMPMVDRSQENTCPSPASSVASHETPKGADDFGEFQSEKPKIS  
 KFDLFLVANSQSKMKSSSEEMIKSELATFDL SVQGS HKRSLSLGDKEISRSSPSALEQPFDRSNTLSERA  
 ALPVIRDKYKDLTGEVEENERYAYEWQRCLGSALDVIKANDTLNGISSAVCTEVIQSAQGMAYLLGVV  
 EYRVTKRVELGIKATAVCSEKLQQLLKIDKVVNNLIGFMSLTTLTPDENSLDFSSCMLRPGIKNAQEL  
 ACGVCLLNVDSSRSRKEETPAEEQPKAFNSETSFKLAYGGHQYHASCANFWINCVEPKPPGLLLPDL

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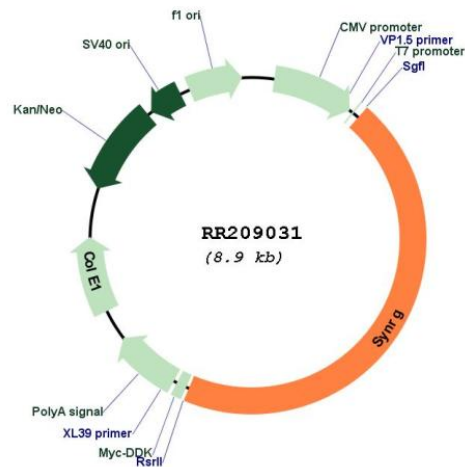
Restriction Sites: SgfI-RsrII

Cloning Scheme:



\* The last codon before the Stop codon of the ORF

## Plasmid Map:



ACCN: NM\_053419

ORF Size: 3987 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\\_053419.1](#), [NP\\_445871.1](#)

RefSeq Size: 3990 bp

RefSeq ORF: 3990 bp

Locus ID: 84479

UniProt ID: [Q9JKC9](#)

Cytogenetics: 10q26

**MW:** 141.4 kDa

**Gene Summary:** may link the AP1 adaptor complex to other proteins [RGD, Feb 2006]