

Product datasheet for **RR212890**

Syf2 (NM_133417) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syf2 (NM_133417) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Syf2
Synonyms:	Gcipip; P29
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR212890 representing NM_133417 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCTGTGACTGAAGTTGTGGTACCCTCGGACGGCGGGAAGCCAGGCCCTTGGCGGCCGAGGAGC
TGGCGGCGCAGAAGCGAGAGCAGAGACTGCGCAAGTTCGTGAGCTGCATCTGAAGCGGAATGAAGCTCG
TAAGTTAAATCACCAGGAAGTTGTGGAAGAAGACAAAAGACTTAAGCTGCCTGCTAACTGGGAAGCCAAG
AAAGCACGTCTGGAGTGGAACTCCAGGAAGAAGAAAAGAAGAAGGAGTGTGCAGCTCGAGGGGAAGACT
ACGAGAAGGTGAACTGCTGGAGATCAGTGGGAGGACGCTGAGAGGTGGGAGAGGAGGAAGAAGAAGAA
GAACCCTGACTTGGGGTTTTAGATTATGCTGCTGCCAATTGCGCCAGTATCACCGGCTGACCAAGCAG
ATCAAACCTGACATGGAAGCTACGAGCGACAGAGAGAAAAGCATGGAGAAGATTTTTCCCGACATCCA
ACAGTCTTCTCCATGGGACGCATGTGCCTTCTCAGAGGAAATGACAGAATGGTTTTAGATCTGGAAA
GCAAATTGAAAAGAGAGACAAAACAGCCGAAGACGCTCCTTACAATGACGATGCCGACATCGACTACATT
AATGAGAGGAACCCAAGTTCAACAAGAAAGCAGAGAGGTTCTACGGGAAGTACACGGCTGAGATCAAGC
AGAACCTGGAGAGAGGAACAGCTGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212890 representing NM_133417
 Red=Cloning site Green=Tags(s)

MAAVTEVVVPSDGAEARPLAAEELAAQKREQLRKFRHLKRNARKLNHQEVVEEDKRLKLPANWEAK
 KARLEWELQEEKKKCAARGEDYEKVKLLEISAEDAERWERRKKKKNPDLGFSDYAAAQLROYHRLTKQ
 IKPDMESYERQREKHGEDFFPTSNSLLHGTHVVPFSEEIDRMVLDLEKQIEKRDKYSRRRPYNDADIDYI
 NERNAKFNKKAERFYGKYTAIEIKQNLERGTA

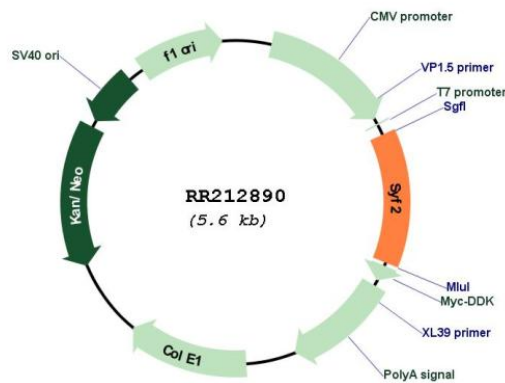
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_133417

ORF Size: 726 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:	<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_133417.1 , NP_596908.1
RefSeq Size:	1292 bp
RefSeq ORF:	729 bp
Locus ID:	170933
UniProt ID:	Q4QRB2
Cytogenetics:	5q36
MW:	28.8 kDa
Gene Summary:	human homolog binds cyclin D-interacting protein GCIP and may regulate GCIP function [RGD, Feb 2006]