

Product datasheet for **RG218401**

GCIP interacting protein p29 (SYF2) (NM_207170) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GCIP interacting protein p29 (SYF2) (NM_207170) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SYF2
Synonyms: CBPIN; fSAP29; NTC31; P29
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG218401 representing NM_207170
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCTATAGCTGCATCCGAGGTGCTGGTGGACAGCGCGGAGGAGGGTCCCTCGCTGCGGCGCGG
AGCTGGCCGCTCAGAAGCGCGAACAGAGACTGCGCAAATCCGGGAGCTGCACCTGATCGGGAATGTGC
GGCAAGAGGAGAAGACTATGAGAAAGTGAAGTTGCTGGAGATCAGTGCAGAAGATGCAGAAAGATGGGAG
AGGAAAAAGAAGAGGAAAAACCCTGATCTGGGATTTTCAGATTATGCTGCTGCCAGTTACGCCAGTATC
ATCGGTTGACCAAGCAGATCAAACCTGACATGGAACACATATGAGAGACTGAGAGAAAAACATGGAGAAGA
GTTTTTCCAACATCCAATAGTCTTCTTCATGGAACACATGTGCCTCCACAGAGGAAATGACAGGATG
GTCATAGATCTGGAAAAACAGATTGAAAAACGAGACAAATATAGCCGGAGACGTCCTTATAATGATGATG
CAGATATCGACTACATTAATGAAAGGAATGCCAAATCAACAAGAAAGCTGAAAGATTCTATGGAAATA
CACAGCTGAAATTAACAGAATTTGAAAGAGGAACAGCTGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG218401 representing NM_207170
 Red=Cloning site Green=Tags(s)

MAAIAASEVLVDSAEESLAAAAELAAQKREQLRKFRELHLMRECAARGEDYEKVKLLEISAEDAERWE
RKKKRKNPDLGFSYAAAQLRQYHRLTKQIKPDMETYERLREKHGEEFFPTSNSLLHGTHVPSTEEIDRM
VIDLEKQIEKRDKYSRRRPYNDADIDYINERNAKFNKKAERFYGKYTAIEIKQLNLERGTAV

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

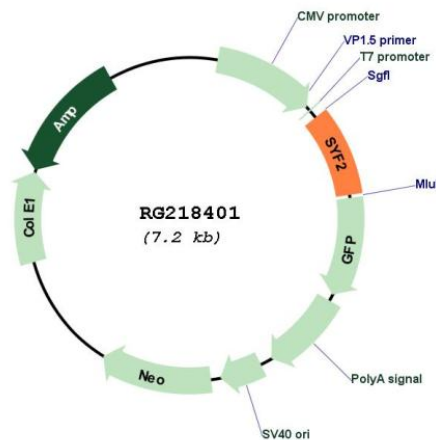


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Cloning Scheme:



Plasmid Map:



ACCN: NM_207170

ORF Size: 603 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_207170.4](#)

RefSeq Size: 1644 bp

RefSeq ORF: 606 bp

Locus ID: 25949

UniProt ID: [O95926](#)

Cytogenetics: 1p36.11

Protein Pathways: Spliceosome

Gene Summary: This gene encodes a nuclear protein that interacts with cyclin D-type binding-protein 1, which is thought to be a cell cycle regulator at the G1/S transition. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]