

Product datasheet for **RG219468**

SF4 (SUGP1) (NM_172231) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SF4 (SUGP1) (NM_172231) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SF4
Synonyms:	F23858; RBP; SF4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG219468 representing NM_172231
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTCTCAAGATGGACAACCGGATGTTGCAGGAAAGGCTAACCGGTGGTTTGGGGTTGCTCCCCCTA
 AATCTGGAATAATGAACATGAACATCCTTCACCGGAAGAGCTCATCGCTCAGAAGAAACGGGAAATTGA
 AGCCAAAATGGAACAGAAAGCCAAAGCAGAAATCAGGTGGCCAGCCCTCAGCCCCACATCTGGCGAAATC
 ACAAATGCACACAACCTCTTCTGCATTTCCAACAAGTTTGCCAACGATGGTAGCTTCTTGACGAGTTTC
 TGAAGTTGCAGAAGGCACAGACCAGCAGACGACGCCCCGACAGTGCGCCAGCGCCCTCCAGCACACC
 CACCCCCAGCGCTGGGAAGAGGTCCCTGCTCATCAGCAGCGGACAGGCCTGGGGCTGGCCAGCTGCCG
 GGCCCTGTGAAGAGCTACTCCACGCCAAGCAGCTGCCGTGGCGCACCGCCGAGTGTCTTCCAGTCCC
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 GACTCGGAAAGTGATAGAGAAATTGGCCCGCTTTGTGGCAGAAGGAGGCCCGAGTTAGAAAAAGTAGCT
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 ACAGGAAGAAGGTGGCTGAGATAAGAAAGGAAGCACAGAAGTCGACAGGCAGCCTCTCAGAAAGTTTCACC
 CCCAGAGGACGAAGAGGTCAAGAACCTTGCAGAAAAGTTGGCCAGGTTTCATAGCGGACGGGGTCCCAG
 GTGGAAACCATTCGCCCTCCAGAACACCGTGAGAACAGGCATTACGCTTCTGTATGAGCCCAATAGCC
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 CACAGCACCTGATCCCGGCTGAAGCGCAAGTCCCCTCCTGAGGCCCTGTCAAGGTCTTACCCCCAGCC
 ACCACCTGCCCGCCTCGTCCACGCCTGCGCCCACTATCATCCCTGCTCCAGCTGCCCGCGGAAGCCAG
 CCTCCGACGCCACCGTGAAGAGGAAGCGGAAGAGCCGTTGGGGCCTGAAGAGGATAAGGTAGAGTCCC
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 TATGGAGACCTTCAAGGCCCTGAAGGAGGGCCGTGAGCCTGACTACTCAGAGTACAAGGAGTTCAAGCTG
 ACTGTGGAGAATCATCGCTACCAGATGCTGATGAAGATGGGCTGGAAGGAGGGCGAGGGGCTGGGCTCAG
 AGGGCCAGGGCATCAAGAACCCAGTGAACAAGGGCACCACCACAGTGGACGGCGCTGGCTTCGGCATTTGA
 CCGGCCGCGGAGCTCTCAAGGAGGACGACGAGTATGAGGCGTTCGCGAAGAGGATGATGCTGGCTAC
 CGCTTCGGGCCCAACCCCTGAACAATCCAGACGGCCTTACTAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

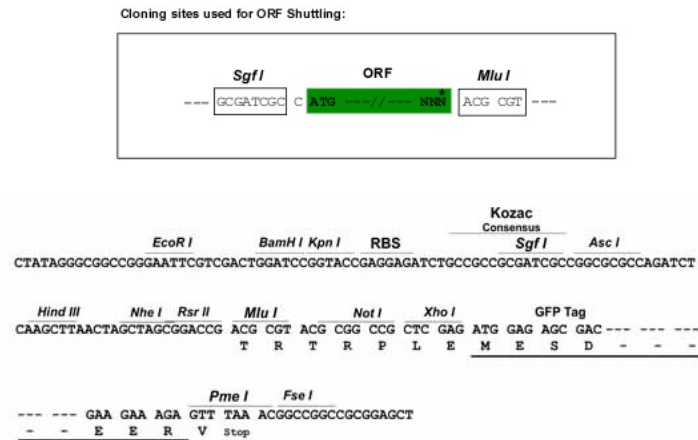
>RG219468 representing NM_172231
 Red=Cloning site Green=Tags(s)

MSLKMDNRDVAGKANRWFGVAPPKSGKMNMNHLHQEELIAQKKREIEAKMEQKAKQNQVSPQPPHPGEI
 TNAHNSSCISNKFANDGSFLQQLKLQKAQTSTDAPTSAPSAPPSTPTPSAGKRSLLISRRTGLGLASLP
 GPVKSYSYHAKQLPVAHRPSVFQSPDEDEEEDYEQWLEIKVSPPEGAETRKVIEKLARFVAEGGPELEKVA
 MEDYKDNPAFAFLHDKNSREFLYRKKVAEIRKEAQKSQAASQKVSPPEDEEVKNLAELARFIADGGPE
 VETIALQNNRENQAFSFLYEPNSQGYKYRQKLEEFKAKASSTGSFTAPDPLKRSPPPEALSGSLPPA
 TTCPASSTPAPTIIIPAPAAPGKPASAATVKRKRKSRWGPEEDKVELPPAELVQRDVEDASPSPLSVQDLKG
 LGYEKGKPVGLVGVTELSDAQKQLKEQEMQMYDMIMQHGRAMQDMLLWEKAVQHQHGHYDSDEEVD
 SELGTWEHQLRRMEMDKTREWAEQLTKMGRGKHFIQDFLPPDELEKFMETFKALKEGREPDYSEYKEFKL
 TVENIGYQMLMKMGWKEGELGSEGGQIKPNVNGTITVDGAGFGIDRPAELSKEDDEYEAFKRMMMLAY
 RFRPNPLNNRRPPYY

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_172231

ORF Size: 1935 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_172231.4](#)

RefSeq Size: 2101 bp

RefSeq ORF: 1938 bp

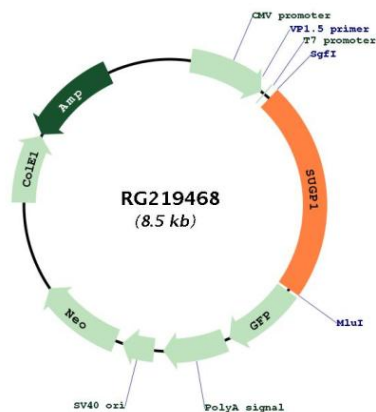
Locus ID: 57794

UniProt ID: [Q8IWZ8](#)

Cytogenetics: 19p13.11

Gene Summary: SF4 is a member of the SURP family of splicing factors.[supplied by OMIM, Sep 2003]

Product images:



Circular map for RG219468