

Product datasheet for **RC219468**

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:	Myc-DDK
Symbol:	SF4
Synonyms:	F23858; RBP; SF4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC219468 representing NM_172231
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTCTCAAGATGGACAACCGGGATGTTGCAGGAAAGGCTAACCGGTGGTTTGGGGTTGCTCCCCCTA
 AATCTGGAAAAATGAACATGAACATCCTTCACCGGAAGAGCTCATCGCTCAGAAGAAACGGGAAATTGA
 AGCCAAAATGGAACAGAAAGCCAAGCAGAATCAGGTGGCCAGCCCTCAGCCCCACATCCTGGCGAAATC
 ACAAATGCACACAACCTTCTCTGCATTTCCAACAAGTTTGCCAACGATGGTAGCTTCTTGACGAGTTTC
 TGAAGTTGCAGAAGGCACAGACCAGCAGACGCCCCGACCAAGTGCAGCCAGCGCCCTCCAGCACACC
 CACCCCCAGCGCTGGGAAGAGGTCCCTGCTCATCAGCAGCGGACAGGCCTGGGGCTGGCCAGCCTGCCG
 GGCCCTGTGAAGAGCTACTCCACGCCAAGCAGCTGCCGTGGCGCACCGCCCGAGTGTCTTCCAGTCCC
 CTGACGAGGACGAGGAGGAGGACTATGAGCAGTGGCTGGAGATCAAAGTTTCACCCCCAGAGGGAGCCGA
 GACTCGGAAAGTGATAGAGAAATTGGCCCGCTTTGTGGCAGAAGGAGGCCCGAGTTAGAAAAAGTAGCT
 ATGGAGGACTACAAGGATAACCCAGCATTTCATTTTTGCACGATAAGAATAGCAGGGAATTCCTCTACT
 ACAGGAAGAAGGTGGCTGAGATAAGAAAGGAAGCACAGAAGTCGACAGGCAGCCTCTCAGAAAGTTTCACC
 CCCAGAGGACGAAGAGGTCAAGAACCTTGCAGAAAAGTTGGCCAGGTTCTAGCGGACGGGGTCCCAGAG
 GTGGAAACCATTCGCCCTCCAGAACAAACCGTGAGAACAGGCATTACGCTTCTGTATGAGCCCAATAGCC
 AAGGGTACAAGTACTACCGACAGAAGCTGGAGGAGTCCGGAAGCCAAGGCCAGCTCCACAGGCAGCTT
 CACAGCACCTGATCCCGGCTGAAGCGCAAGTCCCCTCCTGAGGCCCTGTGAGGTCCTTACCCCCAGCC
 ACCACCTGCCCCGCTCGTCCACGCCTGCGCCCACTATCATCCCTGCTCCAGCTGCCCCCGGAAGCCAG
 CCTCCGACGCCACCGTGAAGAGGAAGCGAAGAGCCGGTGGGGCCTGAAGAGGATAAGGTAGAGCTCCC
 ACCTGCTGAAGTGGTGCAGAGGGACGTGGATGCCTCTCCCTCGCCTCTGTCAAGTTACGACCTCAAGGGG
 CTCGGCTATGAGAAGGGGAAGCCTGTGGGTCTAGTGGGCGTCACAGAGCTTTCAGACGCCCAAGAAGC
 AGCTGAAGGAGCAGCAGGAGATGCAGCAGATGTACGACATGATCATGCAGCACAAGCGGGCCATGCAGGA
 CATGCAGCTGCTGTGGGAGAAGGCAGTCCAACAGCACCAGCACGGCTATGACAGTGTAGGAGGTGGAC
 AGCGAGCTGGGCACCTGGGAGCACCAGCTGCGGCGCATGGAGATGGATAAGACCAGGGAATGGGCCGAGC
 AGCTGACAAAGATGGGCCGGGCAAGCACTTCATCGGAGACTTCTGCCTCCAGACGAGCTGAAAAAGTT
 TATGGAGACCTTCAAGGCCCTGAAGGAGGGCCGTGAGCCTGACTACTCAGAGTACAAGGAGTTCAAGCTG
 ACTGTGGAGAACATCGGCTACCAGATGCTGATGAAGATGGGTGGAAGGAGGGCGAGGGGCTGGGCTCAG
 AGGGCCAGGGCATCAAGAACCCAGTGAACAAGGGCACCACCACAGTGGACGGCGCTGGCTTCGGCATTGA
 CCGGCCGGCGGAGCTCTCAAGGAGGACGACGAGTATGAGGCGTTCGCAAGAGGATGATGCTGGCCTAC
 CGCTTCGGGCCAACCCCTGAACAATCCAGACGGCCTTACTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC219468 representing NM_172231
Red=Cloning site Green=Tags(s)

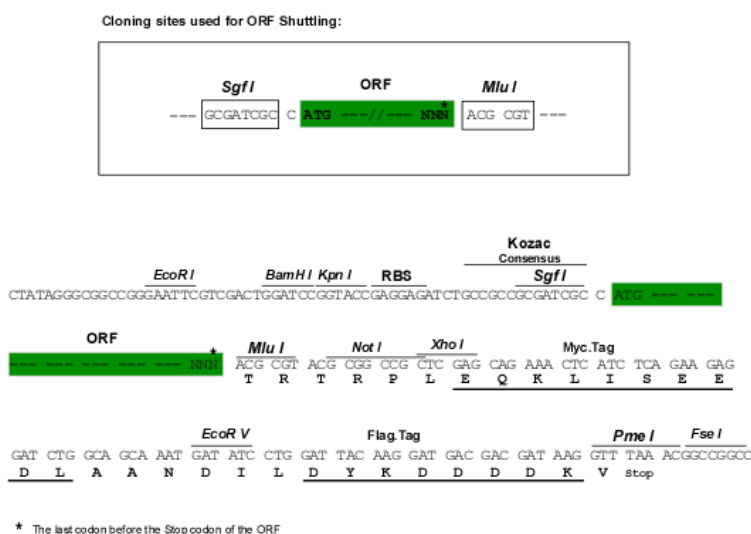
MSLSKMDNRDVAGKANRWFVGPAPKSGKMNMNLIHQEELIAQKKREIEAKMEQKAKQNQVASQPPPHGEI
TNAHNSSCISNKFANDGSFLQQFLKLQKAQTSTDAPTSAPSAPPSTPTPSAGKRSLLI SRRTGLGLASLP
GPVKSYSYSHAKQLPVAHRPSVFQSPDEDEEEDYEQWLEIKVSPPEGAETRKVIEKLARFVAEGGPELEKVA
MEDYKDNPAFAFLHDKNSREFLYYRKKVAEIRKEAQKSQAASQKVSPPEDEEVKNLAEKLARFIADGGPE
VETIALQNNRENQAFSFLYEPNSQGYKYRQKLEEFRKAKASSTGSFTAPDPGLKRKSPPEALSGSLPPA
TTCPASSTPPTIIPAPAAPGKPASAATVKRKRKSRWGPEEDKVELPPAELVQRDVDASPSPLSVQDLKG
LGYEKGPVGLVGVTELSDAQKKQLKEQQEMQQMYDMIMQHGRAMQDMQLLWEKAVQQHQHGYDSDEEVD
SELGTWEHQLRRMEMDKTREWAEQLTKMGRGKHFIGDFLPPDELEKFMETFKALKEGREPDYSEYKEFKL
TVENIGYQMLMKMGWKEGEGLGSEGGIKNPVNKGTTTVDGAGFGIDRPAELSKEDDEYEAFRKRMMLAY
RFRPNPI NNPRPPYY

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8019_d05.zip

Restriction Sites: Sgfl-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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_172231.4](#)

RefSeq Size: 2101 bp

RefSeq ORF: 1938 bp

Locus ID: 57794

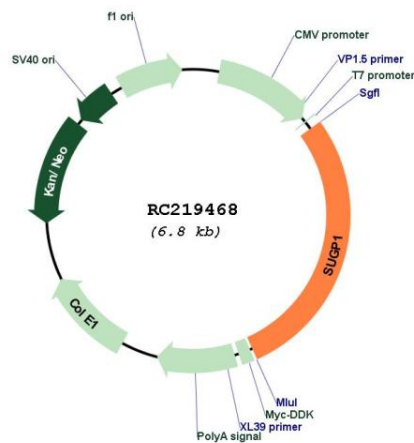
UniProt ID: [Q8IWX8](#)

Cytogenetics: 19p13.11

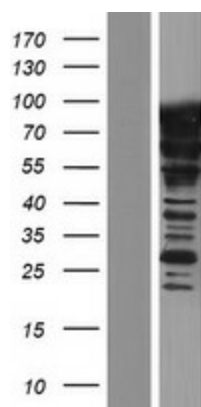
MW: 72.3 kDa

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

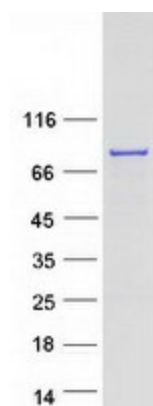
Product images:



Circular map for RC219468



Western blot validation of overexpression lysate (Cat# [LY406754]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219468 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SUGP1 protein (Cat# [TP319468]). The protein was produced from HEK293T cells transfected with SUGP1 cDNA clone (Cat# RC219468) using MegaTran 2.0 (Cat# [TT210002]).