

Product datasheet for **RC219995**

splicing factor 1 (SF1) (NM_004630) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	splicing factor 1 (SF1) (NM_004630) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	splicing factor 1
Synonyms:	BBP; D11S636; MBBP; ZCCHC25; ZFM1; ZNF162
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC219995 representing NM_004630
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGACCCGAGCGAACGCCACGCCGTTGGACTTCCAAGTAAGAAGCGGAAGAGGAGCCGCTGGAACC
AAGACACAATGGAACAGAAGACAGTGATTCCAGGAATGCCTACAGTTATCCCCCTGGACTTACTCGAGA
ACAAGAAAGAGCTTATATAGTGCAACTGCAGATAGAAGACCTGACTCGTAAACTGCGCACAGGAGACCTG
GGCATCCCCCTAACCTGAGGACAGGTCCCCTTCCCCTGAGCCCATCTACAATAGCGAGGGGAAGCGGC
TTAACACCCGAGAGTTCCGCACCCGAAAAAGCTGGAAGAGGAGCGGCACAACCTCATCACAGAGATGGT
TGCACTCAATCCGGATTTCAAGCCACCTGCAGATTACAAACCTCCAGCAACACGTGTGAGTGATAAAGTC
ATGATTCCACAAGATGAGTACCCAGAAATCAACTTTGTGGGGTCTCATCGGGCCAGAGGGAACACCC
TGAAGAACATAGAGAAGGAGTGCATGCCAAGATTATGATCCGGGGAAAGGGTCTGTGAAAGAAGGGAA
GGTTGGGCGCAAAGATGGCCAGATGTTGCCAGGAGAAGATGAGCCACTTCATGCCCTGGTACTGCCAAT
ACAATGGAGAACGTCAAAAAGGCAGTGGAAACAGATAAGAAACATCCTGAAGCAGGGTATCGAGACTCCAG
AGGACCAGAATGATCTACGGAAGATGCAGCTTCGGGAGTTGGCTCGCTTAAATGGGACCCCTTCGGGAAGA
CGATAACAGGATCTTAAGACCCTGGCAGAGCTCAGAGACCCGAGCATTACCAACACCACAGTGTGTACC
AAGTGTGGAGGGGCTGGCCACATTTGCTCAGACTGTAAATTCAAAGGCCTGGTGTCTCAGTCAGCTC
AGGATAAAGCACGGATGGATAAAGAATATTTGTCCTCATGGCTGAACGGGTGAAGCACCTGTCCCAGC
ATCTGTGGGCTCCACCTCTGGGCTGCCACCACACCCCTGGCCAGCGCACCTCGTCTGTGCTCCCAGC
AACAAACCCACCTCCACCGTCTCTCATGTCTACCACCCAGAGCCGCCACCCCTGGATGAATCTGGCCCTT
CAGAGAGTCGGCCCTACCACGGCATGCATGGAGTGGTCTGGTGGGCGGAGGTGGCCCCACACGCTT
CCACACCCATTACCCAGCCTGACAGGTGGGCATGGTGGACATCCCATGCAGCACAACCCCAATGGACCC
CCACCCCTTGGATGCAGCCACCACCACCCGATGAACCAGGGCCCCACCCCTCTGGGACCATGGCC
CTCCTCCAATGGATCAGTACCTGGGAAGTACGCTGTGGGCTCTGGGTCTATCGCTGCATCAAGGAAA
AGGTATGATGCCGCCACCACCTATGGGCATGATGCCGCCGCCGCCGCCCTCCAGTGGGCAGCCCCCA
CCCCCTCCTCTGGTCTTCCCCCATGGCAACAACAGCAGCAGCAGCCTCCGCCACCCCTCCGCCCA
GCAGCAGTATGGTTCAGTACCCCTTGGCATGGCAGCAAAATACGACGACTACCACCACGAGCGCTGG
CACAGGTCCATCCGCCATGGCAACAGCAGCAGGCGGCTGCCGAGCTTCTCCAGGAGCCCTCAGATG
CAAGGCAACCCACTATGGTGGCCCTGCCCCCGGGTCCAGCCGCTCTGCCGCTGGGGCCCCCTCCCC
CTCCGCCGCTCCACCGCTGGTTCGCCGGCATGATGTATGCCCGCCCCCTCCTCCTCCGCTCCCAT
GGACCTTCTAACTTTGTCAACATGATGGGCATGGGGTGGCGGGCATGCCGCCCTTCGGGATGCCTCCA
GCTCCCCACCGCTCCACCACAGAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA

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_004630.4](#)

RefSeq Size: 3527 bp

RefSeq ORF: 1920 bp

Locus ID: 7536

UniProt ID: [Q15637](#)

Cytogenetics: 11q13.1

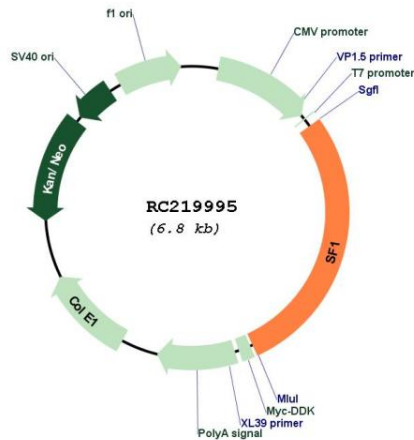
Domains: zf-CCHC, KH

Protein Families: Transcription Factors

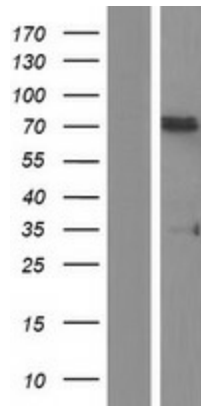
MW: 68.1 kDa

Gene Summary: This gene encodes a nuclear pre-mRNA splicing factor. The encoded protein specifically recognizes the intron branch point sequence at the 3' splice site, together with the large subunit of U2 auxiliary factor (U2AF), and is required for the early stages of spliceosome assembly. It also plays a role in nuclear pre-mRNA retention and transcriptional repression. The encoded protein contains an N-terminal U2AF ligand motif, a central hnRNP K homology motif and quaking 2 region which bind a key branch-site adenosine within the branch point sequence, a zinc knuckles domain, and a C-terminal proline-rich domain. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2016]

Product images:



Circular map for RC219995



Western blot validation of overexpression lysate (Cat# [LY417858]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219995 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).