

Product datasheet for **RC223837**

splicing factor 1 (SF1) (NM_201997) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: splicing factor 1 (SF1) (NM_201997) 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)
ORF Nucleotide Sequence: >RC223837 representing NM_201997
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGACCGGAGCGAACGCCACGCCGTTGGACTTCCAAGTAAGAAGCGGAAGAGGAGCCGCTGGAACC
AAGACACAATGGAACAGAAGACAGTGATTCCAGGAATGCCTACAGTTATCCCCCTGGACTTACTCGAGA
ACAAGAAAGAGCTTATATAGGTAATATACGTTCTGCATCCAAATGCACTTTGAGATTGTTACGATTTAT
TCTGAGCAAGATCTGCATTTTTTAAAAGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC223837 representing NM_201997
Red=Cloning site Green=Tags(s)
MATGANATPLDFPSKKRKRSRWNQDTMEQKTVIPGMPTVIPPGLTREQERAYIGKYTFCIQMHEIVTIY
SEQDLHFLKV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6496_d12.zip

Restriction Sites: SgfI-MluI

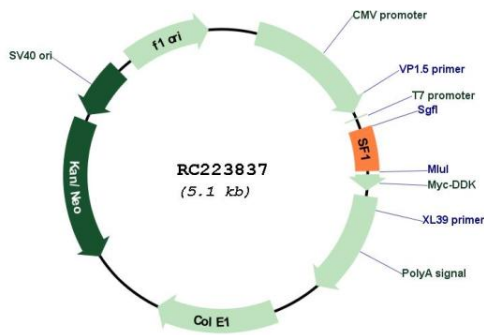


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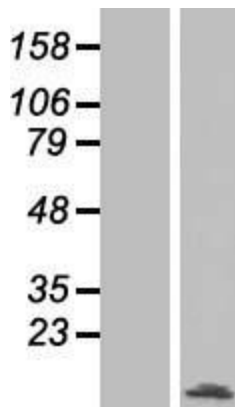
Cytogenetics: 11q13.1
Protein Families: Transcription Factors
MW: 9.1 kDa

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 RC223837



Western blot validation of overexpression lysate (Cat# [LY404504]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC223837 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).