

## Product datasheet for **SC210018**

### splicing factor 1 (SF1) (NM\_201995) Human 3' UTR Clone

#### Product data:

|                |                                           |
|----------------|-------------------------------------------|
| Product Type:  | 3' UTR Clones                             |
| Symbol:        | splicing factor 1                         |
| Synonyms:      | BBP; DIIS636; MBBP; ZCCHC25; ZFM1; ZNF162 |
| Mammalian Cell | Neomycin                                  |
| Selection:     |                                           |
| Vector:        | pMirTarget (PSI00062)                     |
| ACCN:          | NM_201995                                 |
| Insert Size:   | 813 bp                                    |

**Insert Sequence:** >SC210018 3'UTR clone of NM\_201995  
The sequence shown below is from the reference sequence of NM\_201995. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
TGGACAGGATGGTTCGGCAAAGCAGCCGAGTTATTTTGTGGACGGAATCGGAACACGCTGGTCCAT
ATCGTGAAATTTTATTAATTTTTCTTTTCTTTGTTACTTCTTTATCTTTCTTTCTTCAGACT
CCGTCCAAGGAGATGCTCTCCCGGTCTTCTGCTGCAATTTAGATTCTTTCCCTTCTCTCCAGTTCTC
CTTCCCTTACCAAGGAGAGGGGAGCAAATGGTTTTGGGCAAGGGCTTTGGCCATTATGTCAGCTGGT
TGTGGGTTTTTCAAGGTGCCATAGCCACCCCAAAGATGTTTGTAAAGCGTGGGGTTTTTAATCTC
TGCCACCTTGTCAAGGGAGTCTTGTAAAGTTGCCGAGGGTAGGTTCACTCCAGGTTTCGGGATTCCC
ATCCGTCCTGGCGATCCTGCCAGCAGTGGGTGGCAGCCTGAGCTCCCTCGGGCTCGCCTGCCAGCCTG
GAGTTCTTCTGTGCTCCTTGATCACCTGAGCTGCCTCAGATTCCATTTGGTCTCTCCTTCTGGAAG
GCTTCTTTTATGTTTTGTTTTAATCCCAAATGTCTGAATGTTTGCAGTGTGTAGGGGTTTGAGCCCC
TTGTTCACTTCTCTTCTTTTCTCCCGCTTCCCTCTCCATGAAGTATTCTGTTGACAATAATGTAT
ACTGCGCGTTCTCTTCACTGGTTTATCTGCAGAAATTTCTCTGGGCTTTTTTCGGTGTAGATTCAACA
CTGCGCTAAAGCGGGATGTTCCATTGAATAAAGAGCAGTGTGGTTTTCTGGG
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI



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|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OTI Disclaimer:</b> | Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Components:</b>     | The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Note:</b>           | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RefSeq:</b>         | <a href="#">NM_201995.3</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Summary:</b>        | 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] |
| <b>Locus ID:</b>       | 7536                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>MW:</b>             | 30.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |