

Product datasheet for **SC329055**

splicing factor 1 (SF1) (NM_001178030) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	splicing factor 1 (SF1) (NM_001178030) Human Untagged Clone
Tag:	Tag Free
Symbol:	splicing factor 1
Synonyms:	BBP; D11S636; MBBP; ZCCHC25; ZFM1; ZNF162
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001178030, the custom clone sequence may differ by one or more nucleotides

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ATGGCGACCGGAGCGAACGCCACGCCGTTGGGTAAGCTGGGCCCCCGGGCTGCCCCCG
CTCCCCGGGCCAAAGGAGGCTTCGAGCCGGGCCCTCCGCTGCACCCGGGCTGGGGCG
GGGCTGCTGGCTCCCGGGCCGCCGCCGCCCGCCCGCCGTTGGGCTCGATGGGGCCCTGACC
GCGGCCTTCCCCTTCGCGGGCTGCCTCCGCGCCCTCCGCCCGCCGCCCTCCGCCTCCC
CAGCAGCGCGCCGCCCTCCACCGCCACCGTCCCCGGCGCTCGTACCCGCCCGCCGAG
CCGCCCCCTCCGCCGCCCTCTACCAGCGCGTGTCCGCCCGCAGCCGCCGCCACCCAG
CCGCCCGCTAAGGACCAGCAGCCGGGCCGCCGCCGGAGGAGACTCCCAAGTAAG
AAGCGGAAGAGGAGCCGCTGGAACCAAGACACAATGGAACAGAAGACAGTGATTCCAGGA
ATGCTACAGTTATCCCCTGGACTTACTCGAGAACAAGAAAGAGCTTATATAGTGCAA
CTGCAGATAGAAGACCTGACTCGTAAACTGCGCACAGGAGACCTGGGCATCCCCCTAAC
CCTGAGGACAGGTCCCCTTCCCCTGAGCCCATCTACAATAGCGAGGGGAAGCGGCTTAAC
ACCCGAGAGTTCCGCACCCGCAAAAAGCTGGAAGAGGAGCGGCACAACCTCATCACAGAG
ATGGTTGCACTCAATCCGGATTTCAAGCCACCTGCAGATTACAAAACCTCCAGCAACAGT
GTGAGTGATAAAGTCATGATTCCACAAGATGAGTACCCAGAAATCAACTTGTGGGGCTG
CTCATCGGGCCCAGAGGGAACACCTGAAGAACATAGAGAAGGAGTGCAATGCCAAGATT
ATGATCCGGGGGAAAGGGTCTGTGAAAGAAGGGAAGGTTGGGCGCAAAGATGGCCAGATG
TTGCCAGGAGAAGATGAGCCACTTCATGCCCTGGTTACTGCCAATACAATGGAGAACGTC
AAAAAGGCAGTGGAACAGATAAGAAACATCCTGAAGCAGGGTATCGAGACTCCAGAGGAC
CAGAATGATCTACGGAAGATGCAGCTTCGGGAGTTGGCTCGCTTAAATGGGACCCCTCGG
GAAGACGATAACAGGATCTTAAGACCCTGGCAGAGCTCAGAGACCCGAGCATTACCAAC
ACCACAGTGTGTACCAAGTGTGGAGGGGCTGGCCACATTGCTTCAGACTGTAATTCCAA
AGGCCTGGTGATCCTCAGTCAGCTCAGGATAAAGCACGGATGGATAAAGAATATTTGTCC
CTCATGGCTGAAGTGGTGAAGCACCTGTCCAGCATCTGTGGGCTCCACCTCTGGGCT
GCCACCACACCCCTGGCCAGCGCACCTCGTCTGCTGCCGCCAACACCCACCTCCA
CCGTCTCTCATGTCTACCACCCAGAGCCGCCACCCTGGATGAATTCTGGCCCTTCAGAG
AGTCGGCCCTACCACGGCATGCATGGAGGTGGTCTGGTGGGCCCCGAGGTGGCCCCAC
AGCTTCCCACACCCATTACCCAGCCTGACAGGTGGGCATGGTGGACATCCCATGCAGCAC
AACCCCAATGGACCCCAACCCCTTGGATGCAGCCACCACCACCCGATGAACCAGGGC
CCCCACCTCCTGGGCACCATGGCCCTCCTCAATGGATCAGTACCTGGGAAGTACGCT
GTGGGCTCTGGGCTATCGCCTGCATCAAGGAAAAGGTATGATGCCGCCACCACCTATG
GGCATGATGCCGCCGCCGCCGCCCTCCAGTGGGCAGCCCCACCCCTCCCTCTGGT
CCTCTTCCCCATGGCAACAACAGCAGCAGCAGCCTCCGCCACCCCTCCGCCAGCAGC
AGTATGGCTTCCAGTACCCCTTGGCATGGCAGCAAAGATCCCTCCCCGGCGGGCGATG
GCCCGAGCCATGAGAGTGAGGACTTCCGCGCCATTGGTGA

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Restriction Sites: Please inquire

ACCN: NM_001178030

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<ol style="list-style-type: none">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:	<u>NM_001178030.1</u> , <u>NP_001171501.1</u>
RefSeq Size:	2946 bp
RefSeq ORF:	2022 bp
Locus ID:	7536
UniProt ID:	<u>Q15637</u>
Cytogenetics:	11q13.1
Protein Families:	Transcription Factors
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (6) has multiple coding region differences, compared to variant 1, one of which results in a frameshift. It encodes isoform 6, which is longer and has a distinct C-terminus, compared to isoform 1.</p>