

## Product datasheet for **TP305846**

### splicing factor 1 (SF1) (NM\_201998) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human splicing factor 1 (SF1), transcript variant 3, 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA** >RC205846 protein sequence

**Clone or AA** Red=Cloning site Green=Tags(s)

**Sequence:**

MATGANATPLDFPSKRRKRSRWNQDTMEQKTVIPGMPTVIPGLTREQERAYIVQLQIEDLTRKLRTGDL  
GIPPNPEDRSPSEPIYNSEGKRLNTRFTRKKLEERHNLITEMVALNPDFKPPADYKPPATRVSDKV  
MIPQDEYPEINFVGLLIGPRGNTLKNIEKECNAKIMIRGKGSVKEGKVGRKDGQMLPGEDEPLHALVTAN  
TMENVKKAVEQIRNILKQGIETPEDQNDLRKMQRLRELARLNGTLREDDNRILRPWQSSETRITNTTCT  
KCGGAGHIASDCKFQRPQSAQDKARMDKEYLSLMAELGEAPVPASVSGTSGPATTPLASAPRPAAPA  
NNPPPPSLMSTTQSRPPWMNSGPSERPYHGMHGGGPGGPGGPHSFPHPPLSLTGGHGGHMPQHNPNGP  
PPPWMQPPPPPMNQGHPPGHHGPPPMQYLGSTPVGSGVYRLHQGKGMPPPPMGMMPPPPPPSGQPP  
PPPSGLPPWQQQQQPPPPPPSSSMASSTPLPWQQRSLPAAAMARAMRVRTFRAHW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 59.5 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_973727](#)

Locus ID: 7536

UniProt ID: [Q15637](#), [A0A024R588](#)

RefSeq Size: 2949

Cytogenetics: 11q13.1

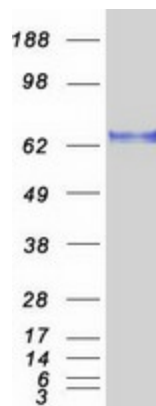
RefSeq ORF: 1644

Synonyms: BBP; D11S636; MBBP; ZCCHC25; ZFM1; ZNF162

**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]

**Protein Families:** Transcription Factors

### Product images:



Coomassie blue staining of purified SF1 protein (Cat# TP305846). The protein was produced from HEK293T cells transfected with SF1 cDNA clone (Cat# [RC205846]) using MegaTran 2.0 (Cat# [TT210002]).