

Product datasheet for **TP305846L**

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, 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA >RC205846 protein sequence

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

Sequence:

MATGANATPLDFPSKRRKRSRWNQDTMEQKTVIPGMPTVIPGLTREQERAYIVQLQIEDLTRKLRTGDL
GIPPNPEDRSPSEPIYNSEGKRLNTRFTRKKLEERHNLITEMVALNPDFKPPADYKPPATRVSDKV
MIPQDEYPEINFVLLIGPRGNTLKNIEKECNAKIMIRGKGSVKEGKVGRKDGQMLPGEDEPLHALVTAN
TMENVKKAVEQIRNILKQGIETPEDQNDLRKMQRLRELARLNGTLREDDNRILRPWQSSETRITNTTVC
KCGGAGHIASDCKFQRPGDPQSAQDKARMDKEYLSLMAELGEAPVPASVSGTSGPATTPLASAPRPAAPA
NNPPPPSLMSTTQSRPPWMNSGPSERPYHGMHGGGPGGPGGPHSFPHPPLSLTGGHGGHMPQHNPNGP
PPPWMQPPPPPMNQGPHPGHHGPPPMQYLGSTPVGSGVYRLHQGKGMPPPPMGMMPPPPPPSGQPP
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

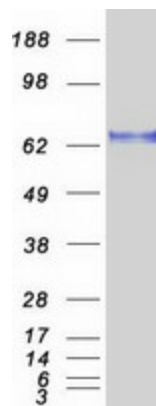
RefSeq ORF: 1644

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]).