

Recombinant Full Length Human SF1 Protein, C-Myc/DDK-tagged

Cat. No. SF1-24HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SF1 Protein, fused to Myc/DDK-tag at C-terminus, was expressed in HEK293T.
Species	Human
Source	HEK293
Description	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.
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol.
Molecular Mass	59.5 kDa
AA Sequence	MATGANATPLDFPSKKRKRSRWNQDTMEQKTVIPGMPTVIPPGLTREQERAYIVQL QIEDLTRKLRTGDL GIPPNPEDRSPSPEPIYNSEGKRLNTREFRTRKKLEEERHNLIT EMVALNPDKPPADYKPPATRVSDKV MIPQDEYPEINFVGLLIGPRGNTLKNIEKEC

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

NAKIMIRGKGSVKEGKVGRKDGQMLPGEDEPLHALVTAN TMENVKKAVEQIRNILK
 QGIETPEDQNDLRKMQRLRELARLNGTLREDDNRILRPWQSSETRISITNTTVCT KCG
 GAGHIASDCKFQRPQDPQSAQDKARMDKEYLSLMAELGEAPVPASVGSTSGPATT
 PLASAPRPAAPA NNPPPPSLMSTTQSRPPWMNSGPSESRPYHGMHGGGPGGPG
 GGPHSFPHPLPSLTGGHGGHPMQHNPNNGP PPPWMQPPPPPMNQGPHPGHHG
 PPPMDQYLGSTPVGSGVYRLHQGKGMPPPPMGMMPPPPPPPSGQPP PPPSGP
 LPPWQQQQQPPPPPPSSSMASSTPLPWQQRSLPAAAMARAMRVRTFRAHW T
 RTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transcription Factors
Full Length	Full L.

GENE INFORMATION

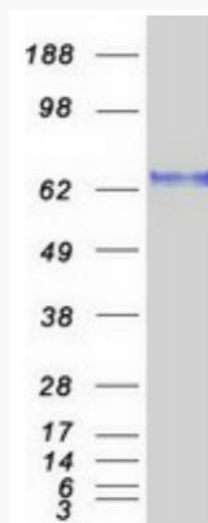
Gene Name [SF1 splicing factor 1 \[Homo sapiens \(human\) \]](#)

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Official Symbol	SF1
Synonyms	BBP; MBBP; ZFM1; ZNF162; D11S636; ZCCHC25
Gene ID	7536
mRNA Refseq	NM_201998.3
Protein Refseq	NP_973727.1
MIM	601516
UniProt ID	Q15637

SDS-PAGE


Coomassie blue staining of purified SF1 protein.

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