

Product datasheet for PH305846

splicing factor 1 (SF1) (NM_201998) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SF1 MS Standard C13 and N15-labeled recombinant protein (NP_973727)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205846
Predicted MW:	59.7 kDa
Protein Sequence:	>RC205846 protein sequence Red=Cloning site Green=Tags(s)

MATGANATPLDFPSKKRKRSRWNQDTMEQKTVIPGMPTVIPPGLTREQERAYIVQLQIEDLTRKLRGTDL
GIPPNPEDRSPSPEPIYNSEGKRLNTRFRTTRKLEEEERHNLITEMVALNPDFKPPADYKPPATRVSDKV
MIPQDEYPEINFVGLLIGPRGNTLKNIEKECNAKIMIRGKGSVKEGKVGKDGQMLPGEDEPLHALVTAN
TMENVKKAQEIQIRNILKQGIETPEDQNDLRKMQRLRELARLNGTLREDDNRILRPWQSSETRITNTTCT
KCGGAGHIASDCKFQRPQDPQSAQDKARMDKEYLSLMAELGEAPVPASVGSTSGPATTPLASAPRPAAPA
NNPPPPSLMSTTQSRPPWMNSGPESESRPYHGMHGGGPGGPGGPHSFPHPLPSL TGGHGGHPMQHNPNGP
PPPWMQPPPPMNQGPHPGHHGPPMDQYLGSTPVGSGVYRLHQGKGMPPPPMGMPPPPPPSGQPP
PPPSGPLPPWQQQQQPPPPPPSSSMASSTPLPWQQRSLPAAAMARAMRVRTFRAHW

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_973727</u>
RefSeq Size:	2949
RefSeq ORF:	1644



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

Locus ID: 7536

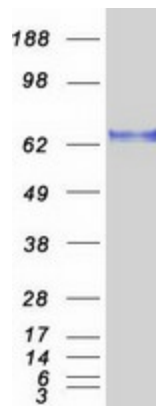
UniProt ID: [Q15637](#), [A0A024R588](#)

Cytogenetics: 11q13.1

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]).