

Recombinant Human SF1 protein, His & T7-tagged

Cat. No. SF1-1707H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SF1 aa. (Ala2~Thr274 (Accession # Q15637)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala2~Thr274
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	Freeze-dried powder
Molecular Mass	38kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
Isoelectric Point	9.3

GENE INFORMATION

Gene Name	SF1 splicing factor 1 [Homo sapiens (human)]
Official Symbol	SF1
Synonyms	SF1; splicing factor 1; BBP; MBBP; ZFM1; ZNF162; D11S636; ZCCHC25; mammalian branch point-binding protein; transcription factor ZFM1; zinc finger gene in MEN1 locus; zinc finger protein 162
Gene ID	7536

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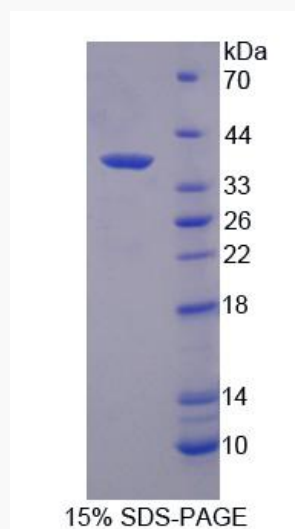
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mRNA Refseq NM_001178030.1

Protein Refseq NP_001171501.1

UniProt ID Q15637

SDS-PAGE



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