

Recombinant Human SF3A3, His-tagged

Cat. No. SF3A3-30078TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 97-501 of Human SF3A3 with N terminal His tag; 405 amino acids, 54kDa.
Species	Human
Source	E.coli
ProteinLength	97-501 a.a.
Description	This gene encodes subunit 3 of the splicing factor 3a protein complex. The splicing factor 3a heterotrimer includes subunits 1, 2 and 3 and is necessary for the in vitro conversion of 15S U2 snRNP into an active 17S particle that performs pre-mRNA splicing. Subunit 3 interacts with subunit 1 through its amino-terminus while the zinc finger domain of subunit 3 plays a role in its binding to the 15S U2 snRNP. This gene has a pseudogene on chromosome 20.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 149 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

KHPNEICVPMSVEFEELLKARENPSSEEAQNLVEFTDEEGY GRYLDLHDCYLKYINLK
 ASEKLDYITYLSIFDQLFDIP KERKNAEYKRYLEMLLEYLQDYTDVRVKPLQDQNELFG
 KIQ AEFEEKKWENGTFPGWPKETSSALTHAGAHLDLSAFSSW EELASLGLDRLKSAL
 LALGLKCGGTLEERAQRLFSTKG KSLESLDTSLFAKNPKSKGTKRDTERNKDIAFLE
 AQIY EY VEILGEQRHLTHENVQRKQARTGEEREEEEEEQISESE SEDEENEIYNPK
 NLPLGWDGKPIPYWLYKLHGLNINYN C EICGNYTYRGPKAFQRHFAEWRHAHGMR
 CLGIPNTAHF ANVTQIEDAVSLWAKLKLQKASERWQPDTEEEYEDSSG NVVNKKT
 YEDLKRQGLL

GENE INFORMATION

Gene Name	SF3A3 splicing factor 3a, subunit 3, 60kDa [Homo sapiens]
Official Symbol	SF3A3
Synonyms	SF3A3; splicing factor 3a, subunit 3, 60kDa; splicing factor 3a, subunit 3, 60kD; splicing factor 3A subunit 3; PRP9; PRPF9; SAP61; SF3a60;
Gene ID	10946
mRNA Refseq	NM_006802
Protein Refseq	NP_006793
MIM	605596
Uniprot ID	Q12874
Chromosome Location	1p

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Pathway	Diurnally regulated genes with circadian orthologs, organism-specific biosystem; Formation and Maturation of mRNA Transcript, organism-specific biosystem; Gene Expression, organism-specific biosystem; Processing of Capped Intron-Containing Pre-mRNA, organism-specific biosystem; Spliceosome, organism-specific biosystem;
Function	metal ion binding; nucleic acid binding; zinc ion binding;

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