Recombinant Human Splicing factor 3A subunit 1 (SF3A1)

Product Code	CSB-YP613594HU
Abbreviation	SF3A1
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q15459
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MPAGPVQAVP PPPPVPTEPK QPTEEEASSK EDSAPSKPVV GIIYPPPEVR NIVDKTASFV ARNGPEFEAR IRQNEINNPK FNFLNPNDPY HAYYRHKVSE FKEGKAQEPS AAIPKVMQQQ QQTTQQQLPQ KVQAQVIQET IVPKEPPPEF EFIADPPSIS AFDLDVVKLT AQFVARNGRQ FLTQLMQKEQ RNYQFDFLRP QHSLFNYFTK LVEQYTKILI PPKGLFSKLK KEAENPREVL DQVCYRVEWA KFQERERKKE EEEKEKERVA YAQIDWHDFV VVETVDFQPN EQGNFPPPTT PEELGARILI QERYEKFGES EEVEMEVESD EEDDKQEKAE EPPSQLDQDT QVQDMDEGSD DEEEGQKVPP PPETPMPPPL PPTPDQVIVR KDYDPKASKP LPPAPAPDEY LVSPITGEKI PASKMQEHMR IGLLDPRWLE QRDRSIREKQ SDDEVYAPGL DIESSLKQLA ERRTDIFGVE ETAIGKKIGE EEIQKPEEKV TWDGHSGSMA RTQQAAQANI TLQEQIEAIH KAKGLVPEDD TKEKIGPSKP NEIPQQPPPP SSATNIPSSA PPITSVPRPP TMPPPVRTTV VSAVPVMPRP PMASVVRLPP GSVIAPMPPI IHAPRINVVP MPPSAPPIMA PRPPPMIVPT AFVPAPPVAP VPAPAPMPPV HPPPPMEDEP TSKKLKTEDS LMPEEEFLRR NKGPVSIKVQ VPNMQDKTEW KLNGQVLVFT LPLTDQVSVI KVKIHEATGM PAGKQKLQYE GIFIKDSNSL AYYNMANGAV IHLALKERGG RKK
Source	Yeast
Target Names	SF3A1
Protein Names	Recommended name: Splicing factor 3A subunit 1 Alternative name(s): SF3a120 Spliceosome-associated protein 114 Short name= SAP 114
Expression Region	1-793
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This gene encodes subunit 1 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 1 belongs to the SURP protein family; named for the SURP (also called SWAP or Suppressor-of-White-APricot) motifs that are thought to mediate RNA binding. Subunit 1 has tandemly repeated SURP motifs in its amino-terminal half while its carboxy-terminal half contains a proline-rich region and a ubiquitin-like domain. Binding studies with truncated subunit 1 derivatives demonstrated that the two SURP motifs are necessary for binding to subunit 3 while contacts with subunit 2 may occur through sequences carboxy-terminal to the SURP motifs. Alternative splicing results in multiple transcript variants encoding different isoforms.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.