

Recombinant Human SF3A3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SF3A3-6161H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SF3A3 MS Standard C13 and N15-labeled recombinant protein (NP_006793) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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. Alternative splicing results in multiple transcript variants.
Molecular Mass	58.8 kDa
AA Sequence	METILEQQRRYHEEKERLMDVMAKEMLTKKSTLRDQINSDHRTRAMQDRYMEVSG NLRDLYDDKDGLRKEELNAISGPNEFAEFYNRLKQIKEFHRKHPNEICVPMSVEFEEL LKARENPS EEAQNLVEFTDEEGYGRYLDLHDCYLKYINLKASEKLDYITYLSIFDQLF DIPKERKNAEYKRYLEMLLEYLQDYTD RVKPLQDQNELFGKIQAEFEKKWENGTFP GWPKETSSALHAGAHLDLSAFSSWEELASLGLDRLKSALLALGLKCGGTLEERAQ RLFSTKGKSLES LDTSLFAKNPKSKGTKRDTERNKDIAFLEAQIYEYVEILGEQRHLT

 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

HENVQRKQARTGEERESESESESEDEENEIYNPKNLPLGWDGKPIPYWLYK
 LHGLNINYNCEICGNYTYRGPKAFQRHFAEWRHAHGMRC LGIPNTAHFANVTQIED
 AVSLWAKLKLQKASERWQPDTEEEYEDSSGNVVNKKTYEDLKRQGLLTRTRPLEQ
 KLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name SF3A3 splicing factor 3a subunit 3 [Homo sapiens (human)]

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; SAP 61; spliceosome associated protein 61; spliceosome-associated protein 61; pre-mRNA splicing factor SF3a (60kD);

Gene ID 10946

mRNA Refseq NM_006802

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Protein Refseq NP_006793

MIM 605596

UniProt ID Q12874

SDS-PAGE



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