SF3A3 Antibody

PRODUCT OVERVIEW

Product Name	SF3A3, Antibody
Full Product Name	SF3A3 Antibody
Product Gene Name	anti-SF3A3 antibody
Molecular Weight	58,849 Da
OMIM	605596
3D Structure	ModBase 3D Structure for Q12874
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-SF3A3 antibody	MBS8501394 is an antibody targeting SF3A3. Also known as SF3A3 Antibody.
Other Notes	Small volumes of anti-SF3A3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SF3A3. It may not necessarily be applicable to this product.

NCBI GI #	5803167
NCBI GeneID	10946
NCBI Accession #	NP_006793.1
UniProt Primary Accession #	Q12874
UniProt Secondary Accession #	Q15460; Q5VT87; D3DPT5
UniProt Related Accession #	Q12874
GenBank Nucleotide #	NM_006802.3
NCBI Official Full Name	splicing factor 3A subunit 3 isoform 1
NCBI Official Synonym Full Names	splicing factor 3a subunit 3
NCBI Official Symbol	SF3A3
NCBI Official Synonym Symbols	PRP9; PRPF9; SAP61; SF3a60
UniProt Protein Name	Splicing factor 3A subunit 3
UniProt Synonym Protein Names	SF3a60; Spliceosome-associated protein 61; SAP 61
UniProt Gene Name	SF3A3
UniProt Synonym Gene Names	SAP61; SAP 61
NCBI Protein Information	splicing factor 3A subunit 3

NCBI Summary for SF3A3	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. [provided by RefSeq, Mar 2016]
UniProt Comments for SF3A3	Subunit of the splicing factor SF3A required for 'A' complex assembly formed by the stable binding of U2 snRNP to the branchpoint sequence (BPS) in pre-mRNA. Sequence independent binding of SF3A/SF3B complex upstream of the branch site is essential, it may anchor U2 snRNP to the pre-mRNA. May also be involved in the assembly of the 'E' complex.
Research Articles on SF3A3	**1.** The interaction between CSR1 and SF3A3 led to migration of SF3A3 from nucleus to cytoplasm. The cytoplasmic redistribution of SF3A3 significantly reduced the splicing efficiency of epidermal growth factor receptor and platelet-derived growth factor receptor.
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