SNRPD3 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	SNRPD3, Lysate
Full Product Name	Human SNRPD3 Protein Lysate
Product Gene Name	SNRPD3 lysate
Product Synonym Names	SNRPD3; Sm-D3; SMD3
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	16.0 kDa (146aa), confirmed by MALDI-TOF
OMIM	601062
3D Structure	ModBase 3D Structure for P62318
Related Product Information for SNRPD3 lysate	Human SNRPD3 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of SNRPD3 lysate 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.
Searchable Terms for SNRPD3 purchase	MBS8419936 is a lysate targeting SNRPD3. Also known as Human SNRPD3 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SNRPD3. It may not necessarily be applicable to this product.

NCBI GI #	4759160
NCBI GeneID	6634
NCBI Accession #	NP_004166
UniProt Primary Accession #	P62318
UniProt Secondary Accession #	P43331; B4DJP7; B5BU13
UniProt Related Accession #	P62318
GenBank Nucleotide #	NM_004175
NCBI Official Full Name	small nuclear ribonucleoprotein Sm D3
NCBI Official Synonym Full Names	small nuclear ribonucleoprotein D3 polypeptide
NCBI Official Symbol	SNRPD3
NCBI Official Synonym Symbols	SMD3; Sm-D3
UniProt Protein Name	Small nuclear ribonucleoprotein Sm D3

UniProt Synonym Protein Names	snRNP core protein D3
UniProt Gene Name	SNRPD3
UniProt Synonym Gene Names	Sm-D3
UniProt Entry Name	SMD3_HUMAN
NCBI Protein Information	small nuclear ribonucleoprotein Sm D3
NCBI Summary for SNRPD3	This gene encodes a core component of the spliceosome, which is a nuclear ribonucleoprotein complex that functions in pre-mRNA splicing. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]
UniProt Comments for SNRPD3	snRNP D3: Appears to function in the U7 snRNP complex that is involved in histone 3'-end processing. Binds to the downstream cleavage product (DCP) of histone pre-mRNA in a U7 snRNP dependent manner. Belongs to the snRNP core protein family. Protein type: Spliceosome; RNA splicing; RNA-binding Chromosomal Location of Human Ortholog: 22q11.23 Cellular Component: small nuclear ribonucleoprotein complex; nucleoplasm; spliceosome; cytoplasm; snRNP U1; cytosol; U12-dependent spliceosome Molecular Function: protein binding; enzyme binding Biological Process: transcription from RNA polymerase II promoter; nuclear mRNA splicing, via spliceosome; spliceosomal snRNP biogenesis; RNA splicing; histone mRNA metabolic process; gene expression; mRNA 3'-end processing; termination of RNA polymerase II transcription
Research Articles on SNRPD3	**1.** The dimethylated arginine residues play an essential role in the formation of major SmD3 autoepitopes. 1 particular peptide of SmD3 represents a more sensitive and more reliable substrate for the detection of a subclass of anti-Sm antibodies.
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