CPSF7 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	CPSF7, Lysate
Full Product Name	Human CPSF7 Protein Lysate
Product Gene Name	CPSF7 lysate
Product Synonym Names	CPSF7; CFIm59; CFIm59
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	52kDa
3D Structure	ModBase 3D Structure for Q8N684
Related Product Information for CPSF7 lysate	Human CPSF7 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 CPSF7 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 CPSF7 purchase	MBS139865 is a lysate targeting CPSF7. Also known as Human CPSF7 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CPSF7. It may not necessarily be applicable to this product.

NCBI GI #	217035102
NCBI GeneID	79869
NCBI Accession #	NP_079087
UniProt Primary Accession #	Q8N684
UniProt Related Accession #	Q8N684
GenBank Nucleotide #	NM_024811
NCBI Official Full Name	cleavage and polyadenylation specificity factor subunit 7 isoform 1
NCBI Official Synonym Full Names	cleavage and polyadenylation specific factor 7
NCBI Official Symbol	CPSF7
NCBI Official Synonym Symbols	CFIm59
UniProt Protein Name	Cleavage and polyadenylation specificity factor subunit 7
UniProt Synonym Protein Names	Cleavage and polyadenylation specificity factor 59 kDa subunit; CFIm59; CPSF 59 kDa subunit; Pre-mRNA cleavage factor Im 59 kDa subunit
Protein Family	Cleavage and polyadenylation specificity factor

UniProt Gene Name	CPSF7
UniProt Synonym Gene Names	CFIm59; CPSF 59 kDa subunit
UniProt Entry Name	CPSF7_HUMAN
NCBI Protein Information	cleavage and polyadenylation specificity factor subunit 7
NCBI Summary for CPSF7	Cleavage factor Im (CFIm) is one of six factors necessary for correct cleavage and polyadenylation of pre-mRNAs. CFIm is composed of three different subunits of 25, 59, and 68 kDa, and it functions as a heterotetramer, with a dimer of the 25 kDa subunit binding to two of the 59 or 68 kDa subunits. The protein encoded by this gene represents the 59 kDa subunit, which can interact with the splicing factor U2 snRNP Auxiliary Factor (U2AF) 65 to link the splicing and polyadenylation complexes. [provided by RefSeq, Oct 2016]
UniProt Comments for CPSF7	CPSF7: probable component of the cleavage factor Im complex (CFIm) that plays a key role in pre-mRNA 3' processing. Binds to cleavage and polyadenylation RNA substrates. Probable component of the cleavage factor Im (CFIm) complex, composed at least of NUDT21/CPSF5 and CPSF6 or CPSF7. Two alternatively-spliced isoforms have been described. Protein type: RNA splicing; RNA processing; RNA-binding Chromosomal Location of Human Ortholog: 11q12.2 Cellular Component: nucleoplasm; membrane; nucleus; mRNA cleavage factor complex Molecular Function: protein binding; nucleotide binding Biological Process: transcription from RNA polymerase II promoter; nuclear mRNA splicing, via spliceosome; RNA splicing; gene expression; mRNA 3'-end processing; termination of RNA polymerase II transcription; protein tetramerization
Research Articles on CPSF7	**1.** The authors demonstrate that CFIm functions as an enhancer-dependent activator of mRNA 3' processing. CFIm regulates global alternative polyadenylation by specifically binding and activating enhancer-containing poly(A) sites.
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