PHF5A Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	PHF5A, Blocking Peptide
Full Product Name	PHF5A Peptide - middle region
Product Gene Name	PHF5A blocking peptide
Product Synonym Gene Name	INI; MGC1346; SF3b14b; bK223H9.2; Rds3; SAP14b
Sequence	ICGGPGVSDA YYCKECTIQE KDRDGCPKIV NLGSSKTDLF YERKKYGFKK
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	PHF5A peptide (MBS3233677) is used for blocking the activity of PHF5A antibody (MBS3208715)
Molecular Weight	12kDa
Product Categories/Family for PHF5A blocking peptide	Peptide
Applications Tested/Suitable for PHF5A blocking peptide	Western Blot (WB)
Related Product Information for PHF5A blocking peptide	This is a synthetic peptide designed for use in combination with anti-PHF5A Antibody, made Target Description: This gene encodes a subunit of the splicing factor 3b protein complex. Splicing factor 3b, together with splicing factor 3a and a 12S RNA unit, forms the U2 small nuclear ribonucleoproteins complex (U2 snRNP). The splicing factor 3b/3a complex binds pre-mRNA upstream of the intron's branch site in a sequence-independent manner and may anchor the U2 snRNP to the pre-mRNA. The protein encoded by this gene contains a PHD-finger-like domain that is flanked by highly basic N- and C-termini. This protein belongs to the PHD-finger superfamily and may act as a chromatin-associated protein. This gene has several pseudogenes on different chromosomes.
Other Notes	Small volumes of PHF5A blocking peptide 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 PHF5A purchase	MBS3233677 is a blocking peptide targeting PHF5A. Also known as PHF5A Peptide - middle region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PHF5A. It may not necessarily be applicable to this product.

NCBI GI #	14249398
NCBI GeneID	84844
NCBI Accession #	NP_116147
UniProt Primary Accession #	Q7RTV0
UniProt Related Accession #	Q7RTV0
GenBank Nucleotide #	NM_032758

NCBI Official Full Name	PHD finger-like domain-containing protein 5A
NCBI Official Synonym Full Names	PHD finger protein 5A
NCBI Official Symbol	PHF5A
NCBI Official Synonym Symbols	INI; Rds3; SF3B7; SAP14b; SF3b14b; bK223H9.2
UniProt Protein Name	PHD finger-like domain-containing protein 5A
UniProt Synonym Protein Names	Splicing factor 3B-associated 14 kDa protein; SF3b14b
UniProt Gene Name	PHF5A
UniProt Synonym Gene Names	PHD finger-like domain protein 5A; SF3b14b
UniProt Entry Name	PHF5A_HUMAN
NCBI Protein Information	PHD finger-like domain-containing protein 5A
NCBI Summary for PHF5A	This gene encodes a subunit of the splicing factor 3b protein complex. Splicing factor 3b, together with splicing factor 3a and a 12S RNA unit, forms the U2 small nuclear ribonucleoproteins complex (U2 snRNP). The splicing factor 3b/3a complex binds pre-mRNA upstream of the intron's branch site in a sequence-independent manner and may anchor the U2 snRNP to the pre-mRNA. The protein encoded by this gene contains a PHD-finger-like domain that is flanked by highly basic N- and C-termini. This protein belongs to the PHD-finger superfamily and may act as a chromatin-associated protein. This gene has several pseudogenes on different chromosomes. [provided by RefSeq, Jul 2008]
UniProt Comments for PHF5A	PHF5A: Acts as a transcriptional regulator by binding to the GJA1/Cx43 promoter and enhancing its up-regulation by ESR1/ER- alpha. Also involved in pre-mRNA splicing. Belongs to the PHF5 family. Protein type: RNA-binding; RNA splicing Chromosomal Location of Human Ortholog: 22q13.2 Cellular Component: nucleoplasm; nuclear matrix; nuclear speck; snRNP U2; U12-dependent spliceosome Molecular Function: DNA binding; transcription factor activity Biological Process: nuclear mRNA splicing, via spliceosome; transcription, DNA-dependent; RNA splicing; positive regulation of transcription, DNA-dependent; gene expression
Research Articles on PHF5A	**1.** PHF5A-SF3B1 forms a central node for binding to splicing modulators
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