SNU13 Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	SNU13, Blocking Peptide
Full Product Name	SNU13 Peptide - N-terminal region
Product Gene Name	SNU13 blocking peptide
Product Synonym Gene Name	FA1; FA-1; NHPX; 15.5K; OTK27; SSFA1; NHP2L1; SPAG12; SNRNP15-5; SNU13
Sequence	MTEADVNPKA YPLADAHLTK KLLDLVQQSC NYKQLRKGAN EATKTLNRGI
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	SNU13 peptide (MBS3230058) is used for blocking the activity of SNU13 antibody (MBS3205092)
Molecular Weight	14kDa
OMIM	601304
Product Categories/Family for SNU13 blocking peptide	Peptide
Applications Tested/Suitable for SNU13 blocking peptide	Western Blot (WB)
Related Product Information for SNU13 blocking peptide	Originally named because of its sequence similarity to the Saccharomyces cerevisiae NHP2 (non-histone protein 2), this protein appears to be a highly conserved nuclear protein that is a component of the [U4/U6.U5] tri-snRNP. It binds to the 5' stem-loop of U4 snRNA. Two transcript variants encoding the same protein have been found for this gene.
Other Notes	Small volumes of SNU13 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 SNU13 purchase	MBS3230058 is a blocking peptide targeting SNU13. Also known as SNU13 Peptide - N-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SNU13. It may not necessarily be applicable to this product.

NCBI GI #	51317376
NCBI GeneID	4809
NCBI Accession #	NP_001003796
UniProt Primary Accession #	P55769
UniProt Related Accession #	P55769
GenBank Nucleotide #	NM_001003796
NCBI Official Full Name	NHP2-like protein 1
NCBI Official Synonym Full Names	small nuclear ribonucleoprotein 13

NCBI Official Symbol	SNU13
NCBI Official Synonym Symbols	FA1; FA-1; NHPX; 15.5K; OTK27; SSFA1; NHP2L1; SPAG12; SNRNP15-5
UniProt Protein Name	NHP2-like protein 1
UniProt Synonym Protein Names	High mobility group-like nuclear protein 2 homolog 1; OTK27; SNU13 homolog; hSNU13; U4/U6.U5 tri-snRNP 15.5 kDa proteinNHP2-like protein 1, N-terminally processed
Protein Family	13 kDa ribonucleoprotein-associated protein
UniProt Gene Name	NHP2L1
UniProt Synonym Gene Names	hSNU13
UniProt Entry Name	NH2L1_HUMAN
NCBI Protein Information	NHP2-like protein 1
NCBI Summary for SNU13	Originally named because of its sequence similarity to the Saccharomyces cerevisiae NHP2 (non-histone protein 2), this protein appears to be a highly conserved nuclear protein that is a component of the [U4/U6.U5] tri-snRNP. It binds to the 5' stem-loop of U4 snRNA. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for SNU13	NHP2L1: Binds to the 5'-stem-loop of U4 snRNA and may play a role in the late stage of spliceosome assembly. The protein undergoes a conformational change upon RNA-binding. Belongs to the ribosomal protein L7Ae family. Protein type: RNA splicing; Nucleolus; Spliceosome; RNA-binding Chromosomal Location of Human Ortholog: 22q13 Cellular Component: nucleoplasm; spliceosome; protein complex; nucleolus; nucleus Molecular Function: snoRNA binding; protein binding; RNA binding Biological Process: nuclear mRNA splicing, via spliceosome; RNA splicing; ribosome biogenesis and assembly; gene expression
Research Articles on SNU13	**1.** Results solve the structure of a complex resulting from interaction between protein fragments of human NUFIP1 and its cofactor ZNHIT3, and emphasize their imbrication. Also, it seems that the complexes involving NUFIP1, ZNHIT3, and SNU13 share strong structural similarities between human and yeast, suggesting that the initial steps of the box C/D snoRNP assembly process are conserved among species.
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