PAF1 Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	PAF1, Blocking Peptide
Full Product Name	PAF1 Peptide - N-terminal region
Product Gene Name	PAF1 blocking peptide
Product Synonym Gene Name	F23149_1; FLJ11123; PD2
Sequence	IQAPTSSKRS QQHAKVVPWM RKTEYISTEF NRYGISNEKP EVKIGVSVKQ
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	PAF1 peptide (MBS3240147) is used for blocking the activity of PAF1 antibody (MBS3215242)
Molecular Weight	58kDa
OMIM	610506
Product Categories/Family for PAF1 blocking peptide	Peptide
Applications Tested/Suitable for PAF1 blocking peptide	Western Blot (WB)
Related Product Information for PAF1 blocking peptide	This is a synthetic peptide designed for use in combination with anti-PAF1 Antibody, made Target Description: PAF1, parafibromin, LEO1, and CTR9 form the PAF protein complex that associates with the RNA polymerase II subunit POLR2A and with a histone methyltransferase complex. The PAF complex also has a role in histone monoubiquitination.
Other Notes	Small volumes of PAF1 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 PAF1 purchase	MBS3240147 is a blocking peptide targeting PAF1. Also known as PAF1 Peptide - N-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PAF1. It may not necessarily be applicable to this product.

NCBI GI #	42476169
NCBI GeneID	54623
NCBI Accession #	NP_061961
UniProt Primary Accession #	Q8N7H5
UniProt Related Accession #	Q8N7H5
GenBank Nucleotide #	NM_019088
NCBI Official Full Name	RNA polymerase II-associated factor 1 homolog isoform 1

NCBI Official Synonym Full Names	PAF1 homolog, Paf1/RNA polymerase II complex component
NCBI Official Symbol	PAF1
NCBI Official Synonym Symbols	PD2; F23149_1
UniProt Protein Name	RNA polymerase II-associated factor 1 homolog
UniProt Synonym Protein Names	Pancreatic differentiation protein 2
Protein Family	Proteasome
UniProt Gene Name	PAF1
UniProt Synonym Gene Names	PD2; hPAF1
UniProt Entry Name	PAF1_HUMAN
NCBI Protein Information	RNA polymerase II-associated factor 1 homolog
NCBI Summary for PAF1	This gene encodes a subunit of the polymerase associated factor (PAF1) complex. The PAF1 complex interacts with RNA polymerase II and plays a role in transcription elongation as well as histone modifications including ubiquitylation and methylation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2012]
Research Articles on PAF1	**1.** Study reports 2.53 A atomic structures of both the human PAF1/CTR9 and yeast Paf1/Ctr9 heterodimers. Results clearly reveal that the heterodimer of PAF1/CTR9 or Paf1/Ctr9 is the core component of evolutionarily conserved multifunctional polymerase-associated factor 1 complex (Paf1C) and is important for human PAF1C or yeast Paf1C assembly, yeast viability, and Paf1C-mediated histone modifications.
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