PCNA-Associated Factor (PAF) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	PCNA-associated factor (PAF), Recombinant Protein
Full Product Name	Recombinant Human PCNA-associated factor (PAF)
Product Gene Name	PAF recombinant protein
Product Synonym Gene Name	PAF
Sequence	MVRTKADSVP GTYRKVVAAR APRKVLGSST SATNSTSVSS RKAENKYAGG NPVCVRPTPK WQKGIGEFFR LSPKDSEKEN QIPEEAGSSG LGKAKRKACP LQPDHTNDEK E
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	7,221 Da
Sequence Positions	1-111, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	610696
3D Structure	ModBase 3D Structure for Q15004
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PAF recombinant protein	MBS1464428 is a recombinant protein targeting PAF. Also known as Recombinant Human PCNA-associated factor (PAF). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PAF recombinant protein 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.

ADDITIONAL DETAILS

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

NCBI GI #	71773819
NCBI GeneID	9768
NCBI Accession #	NP_001025160.1
UniProt Primary Accession #	Q15004
UniProt Secondary Accession #	A6NNU5; A8K3Y3; G9G694; G9G696

UniProt Related Accession #	Q15004
GenBank Nucleotide #	NM_001029989.2
NCBI Official Full Name	PCNA-associated factor isoform 2
NCBI Official Synonym Full Names	PCNA clamp associated factor
NCBI Official Symbol	PCLAF
NCBI Official Synonym Symbols	L5; PAF; OEATC; PAF15; OEATC1; p15PAF; NS5ATP9; OEATC-1; p15/PAF; KIAA0101; p15(PAF)
UniProt Protein Name	PCNA-associated factor
UniProt Synonym Protein Names	Hepatitis C virus NS5A-transactivated protein 9; HCV NS5A-transactivated protein 9; Overexpressed in anaplastic thyroid carcinoma 1; OEATC-1; PCNA-associated factor of 15 kDa; PAF15; p15PAF; PCNA-clamp-associated factor
Protein Family	PCNA-associated factor
UniProt Gene Name	PCLAF
UniProt Synonym Gene Names	HCV NS5A-transactivated protein 9; OEATC-1; PAF15; p15PAF
NCBI Protein Information	PCNA-associated factor
UniProt Comments for PAF	PCNA-binding protein that acts as a regulator of DNA repair during DNA replication. Following DNA damage, the interaction with PCNA is disrupted, facilitating the interaction between monoubiquitinated PCNA and the translesion DNA synthesis DNA polymerase eta (POLH) at stalled replisomes, facilitating the bypass of replication-fork-blocking lesions. Also acts as a regulator of centrosome number.
Research Articles on PAF	**1.** Paf15 expression is associated with increased rectal cancer proliferation, decreased patient survival, and a worse radiotherapeutic response
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