ZNF420 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	ZNF420, Blocking Peptide
Full Product Name	ZNF420 Blocking Peptide
Product Gene Name	ZNF420 blocking peptide
Product Synonym Names	APAK; ATM and p53 associated KZNF protein; FLJ32191; Zinc finger protein 420; ZNF 420
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	ZNF420 peptide (MBS9624798) is used for blocking the activity of ZNF420 antibody (MBS9606081)
Molecular Weight	62,957 Da
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for ZNF420 blocking peptide	Blocking/Control
Related Product Information for ZNF420 blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of ZNF420 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 ZNF420 purchase	MBS9624798 is a blocking peptide targeting ZNF420.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ZNF420. It may not necessarily be applicable to this product.

NCBI GI #	1043915962
NCBI GeneID	147923
NCBI Accession #	NP_001316451.1
UniProt Primary Accession #	Q8TAQ5
UniProt Secondary Accession #	Q96ML5; B2RDY6
UniProt Related Accession #	Q8TAQ5
GenBank Nucleotide #	NM_001329522.1

NCBI Official Full Name	zinc finger protein 420 isoform f
NCBI Official Synonym Full Names	zinc finger protein 420
NCBI Official Symbol	ZNF420
NCBI Official Synonym Symbols	APAK
UniProt Protein Name	Zinc finger protein 420
Protein Family	Zinc finger protein
UniProt Gene Name	ZNF420
UniProt Entry Name	ZN420_HUMAN
NCBI Protein Information	zinc finger protein 420
NCBI Summary for ZNF420	The protein encoded by this gene is a KRAB-type zinc finger protein that negatively-regulates p53-mediated apoptosis. Under stress conditions, the encoded protein is phosphorylated by ATM and dissociates from p53, which activates p53 and initiates apoptosis. [provided by RefSeq, Jul 2016]
UniProt Comments for ZNF420	ZNF420: May be involved in transcriptional regulation. Protein type: Transcription factor; C2H2-type zinc finger protein Chromosomal Location of Human Ortholog: 19q13.12 Cellular Component: nucleus Molecular Function: protein binding; DNA binding; metal ion binding; transcription factor activity Biological Process: regulation of transcription, DNA-dependent; transcription, DNA-dependent
Research Articles on ZNF420	**1.** Functional importance of H3K9me3 in hypoxia, apoptosis and repression of APAK.
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