PFDN1 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	PFDN1, Blocking Peptide
Full Product Name	PFDN1 Blocking Peptide
Product Gene Name	PFDN1 blocking peptide
Product Synonym Names	PDF; PFD1; PFD1_HUMAN; pfdn1; Prefoldin 1; Prefoldin subunit 1
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	PFDN1 peptide (MBS9623218) is used for blocking the activity of PFDN1 antibody (MBS9604501)
Molecular Weight	14,210 Da
Chromosome Location	Chromosome: 5; NC_000005.9 (139624635..139682689, complement). Location: 5q31
OMIM	604897
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 PFDN1 blocking peptide	Blocking/Control
Related Product Information for PFDN1 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 PFDN1 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 PFDN1 purchase	MBS9623218 is a blocking peptide targeting PFDN1.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PFDN1. It may not necessarily be applicable to this product.

NCBI GI #	21536449
NCBI GeneID	5201
NCBI Accession #	NP_002613.2
UniProt Primary Accession #	O60925
UniProt Secondary Accession #	Q53F95; Q96EX6; B2RD02

UniProt Related Accession #	O60925
GenBank Nucleotide #	NM_002622.4
NCBI Official Full Name	prefoldin subunit 1
NCBI Official Synonym Full Names	prefoldin subunit 1
NCBI Official Symbol	PFDN1
NCBI Official Synonym Symbols	PDF; PFD1
UniProt Protein Name	Prefoldin subunit 1
Protein Family	Prefoldin
UniProt Gene Name	PFDN1
UniProt Synonym Gene Names	PFD1
UniProt Entry Name	PFD1_HUMAN
NCBI Protein Information	prefoldin subunit 1; prefoldin 1
NCBI Summary for PFDN1	This gene encodes a member of the prefoldin beta subunit family. The encoded protein is one of six subunits of prefoldin, a molecular chaperone complex that binds and stabilizes newly synthesized polypeptides, thereby allowing them to fold correctly. The complex, consisting of two alpha and four beta subunits, forms a double beta barrel assembly with six protruding coiled-coils. [provided by RefSeq, Jul 2008]
UniProt Comments for PFDN1	PFDN1: Binds specifically to cytosolic chaperonin (c-CPN) and transfers target proteins to it. Binds to nascent polypeptide chain and promotes folding in an environment in which there are many competing pathways for nonnative proteins. Belongs to the prefoldin subunit beta family. Protein type: Chaperone Chromosomal Location of Human Ortholog: 5q31 Cellular Component: prefoldin complex Molecular Function: unfolded protein binding; transcription factor activity Biological Process: 'de novo' posttranslational protein folding; telencephalon development; cellular protein metabolic process; B cell activation; regulation of transcription, DNA-dependent; protein folding; cerebellum development; actin cytoskeleton organization and biogenesis; cell cycle
Research Articles on PFDN1	**1.** antagonistic actions of PhLP3 and prefoldin serve to modulate CCT activity and play a key role in establishing a functional cytoskeleton in vivo
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Online datasheet: https://www.mybiosource.com/blocking-peptide/pfdn1/9623218