IFI27 Blocking Peptide

PRODUCT OVERVIEW

Product Name	IFI27, Blocking Peptide
Full Product Name	IFI27 Peptide
Product Gene Name	IFI27 blocking peptide
Product Synonym Names	2310061N23Rik; FAM14D; IFI 27; Interferon alpha induced 11.5 kDa protein; Interferon inducible protein 27; interferon-stimulated gene 12; ISG 12; ISG12A; P27 antibody
Form/Format	Antigenic Blocking Peptide
Concentration	Quantity: 250 ug; Volume: 100 ul (lot specific)
Preparation and Storage	-20• degree C for long term storage
Antibody/Peptide Pairs	IFI27 peptide (MBS543834) is used for blocking the activity of IFI27 antibody (MBS541847)
Antibody/Peptide Pairs	IFI27 peptide (MBS543834) is used for blocking the activity of IFI27 antibody (MBS541848)
Molecular Weight	11,268 Da
OMIM	600009
Immunogen	Synthetic peptide: multiple antigenic peptide (8 branch) corresponding to amino acids 2-13 of Human IFI27. Sequence: EASALTSSAVTS
Expression	Up-regulated by interferons
Determinant	N-epitope
Molecular Function	Lamin binding; RNA polymerase II activating transcription factor binding
Structure	Belongs to the IFI6/IFI27 family.
Subcellular Location	Mitochondrion; Multi-pass membrane protein
Applications Tested/Suitable for IFI27 blocking peptide	Immunodepletion, Immunocompetition
Application Notes for IFI27 blocking peptide	Western Blot: 1:500
Related Product Information for IFI27 blocking peptide	Antigenic Blocking Peptide Interferon, alpha-inducible protein 27 N-epitope Promotes cell death. Mediates IFN-induced apoptosis characterized by a rapid and robust release of cytochrome C from the mitochondria and activation of BAX and caspases 2, 3, 6, 8 and 9.
Other Notes	Small volumes of IFI27 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 IFI27 purchase	MBS543834 is a blocking peptide targeting IFI27. Also known as IFI27 Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IFI27. It may not necessarily be applicable to this product.

NCBI GI #	55925614
NCBI GeneID	3429

NCBI Accession #	NP_005523.3
UniProt Secondary Accession #	Q53YA6; Q6IEC1; Q96BK3
UniProt Related Accession #	P40305
GenBank Nucleotide #	NM_005532.4
NCBI Official Full Name	interferon alpha-inducible protein 27, mitochondrial isoform 2
NCBI Official Synonym Full Names	interferon alpha inducible protein 27
NCBI Official Symbol	IFI27
NCBI Official Synonym Symbols	P27; ISG12; FAM14D; ISG12A
UniProt Protein Name	Interferon alpha-inducible protein 27, mitochondrial
UniProt Synonym Protein Names	Interferon alpha-induced 11.5 kDa protein; Interferon-stimulated gene 12a protein; ISG12(a)
Protein Family	Interferon alpha-inducible protein
UniProt Gene Name	IFI27
UniProt Synonym Gene Names	p27; ISG12(a)
UniProt Entry Name	IFI27_HUMAN
NCBI Protein Information	interferon alpha-inducible protein 27, mitochondrial
UniProt Comments for IFI27	IFI27: Promotes cell death. Mediates IFN-induced apoptosis characterized by a rapid and robust release of cytochrome C from the mitochondria and activation of BAX and caspases 2, 3, 6, 8 and 9. Belongs to the IFI6/IFI27 family. Protein type: Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 14q32 Cellular Component: integral to membrane; mitochondrial outer membrane; mitochondrion; nuclear inner membrane Molecular Function: lamin binding Biological Process: caspase activation; negative regulation of transcription from RNA polymerase II promoter; regulation of protein export from nucleus
Research Articles on IFI27	**1.** IFI27 is involved in proliferation of skin keratinocytes both in vitro and in vivo.
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