Ilf3 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	Ilf3, Blocking Peptide
Full Product Name	Ilf3 Peptide - C-terminal region
Product Gene Name	Ilf3 blocking peptide
Product Synonym Gene Name	MPHOSPH4; NF90
Sequence	YQGDSYNSPV PPKHAGKKPL HGGQQKASYS SGYQSHQGQQ QPYNQSQYSS
Species Reactivity	Mouse
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	Ilf3 peptide (MBS3225735) is used for blocking the activity of Ilf3 antibody (MBS3200690)
Molecular Weight	98kDa
Product Categories/Family for Ilf3 blocking peptide	Peptide
Applications Tested/Suitable for Ilf3 blocking peptide	Western Blot (WB)
Related Product Information for Ilf3 blocking peptide	This is a synthetic peptide designed for use in combination with anti-Ilf3 Antibody, made Target Description: The function of Ilf3 remains unknown.
Other Notes	Small volumes of Ilf3 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 Ilf3 purchase	MBS3225735 is a blocking peptide targeting Ilf3. Also known as Ilf3 Peptide - C-terminal region. Reactive in Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Ilf3. It may not necessarily be applicable to this product.

NCBI GI #	111607430
NCBI GeneID	16201
NCBI Accession #	NP_034691
UniProt Primary Accession #	Q9Z1X4
UniProt Related Accession #	Q9Z1X4
GenBank Nucleotide #	NM_010561
NCBI Official Full Name	interleukin enhancer-binding factor 3 isoform 1
NCBI Official Synonym Full Names	interleukin enhancer binding factor 3
NCBI Official Symbol	Ilf3
NCBI Official Synonym Symbols	NF90; NFAR; MBII-26; MPHOSPH4

UniProt Protein Name	Interleukin enhancer-binding factor 3
Protein Family	Interleukin enhancer-binding factor
UniProt Gene Name	Ilf3
UniProt Entry Name	ILF3_MOUSE
NCBI Protein Information	interleukin enhancer-binding factor 3
NCBI Summary for Ilf3	The protein encoded by this gene contains two double-stranded RNA binding domains and functions in the post-transcriptional regulation of gene expression. It is a component of an RNA-protein complex that may be involved in mediating the export of messenger RNAs. Alternative splicing results in multiple transcript variants encoding distinct isoforms. These isoforms are grouped into two categories, NFAR-1 or NFAR-2, based on variation at the C-terminus. [provided by RefSeq, Mar 2013]
UniProt Comments for Ilf3	NFAT90: a double-stranded RNA (dsRNA)-binding protein implicated in the regulation of gene expression . Phosphorylated in a double-stranded RNA-dependent manner possibly by PKR. Five different splice-variant isoforms have been described. Protein type: RNA-binding; Nucleolus; Transcription factor; DNA-binding Cellular Component: nucleoplasm; membrane; mitochondrion; cytoplasm; nucleolus; ribonucleoprotein complex; nucleus Molecular Function: enzyme binding; DNA binding; RNA binding; double-stranded RNA binding Biological Process: negative regulation of viral genome replication; protein amino acid methylation; regulation of transcription, DNA-dependent; transcription, DNA-dependent; negative regulation of translation; positive regulation of transcription, DNA-dependent; negative regulation of transcription, DNA-dependent; defense response to virus; protein amino acid phosphorylation
Research Articles on Ilf3	**1.** Data support a model in which NF45, NF90, and NF110 operate in feedback loops that enable them, through both overlapping and independent targets, to help balance the push and pull of pluripotency and differentiation cues.
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