VISA Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	VISA, Blocking Peptide
Full Product Name	VISA Peptide - N-terminal region
Product Gene Name	VISA blocking peptide
Product Synonym Gene Name	CARDIF; DKFZp666M015; FLJ27482; FLJ41962; IPS-1; KIAA1271; MAVS; IPS1; VISA
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	VISA peptide (MBS3234473) is used for blocking the activity of VISA antibody (MBS3209515)
Molecular Weight	56kDa
Product Categories/Family for VISA blocking peptide	Peptide
Applications Tested/Suitable for VISA blocking peptide	Immunohistochemistry (IHC), Western Blot (WB)
Related Product Information for VISA blocking peptide	Double-stranded RNA viruses are recognized in a cell type-dependent manner by the transmembrane receptor TLR3 or by the cytoplasmic RNA helicases MDA5 and RIGI (ROBO3). These interactions initiate signaling pathways that differ in their initial steps but converge in the activation of the protein kinases IKKA (CHUK) and IKKB (IKBKB), which activate NFKB, or TBK1 and IKKE (IKBKE), which activate IRF3. Activated IRF3 and NFKB induce transcription of IFNB (IFNB1). For the TLR3 pathway, the intermediary molecule before the pathways converge is the cytoplasmic protein TRIF (TICAM1). For RIGI, the intermediary protein is mitochondria-bound VISA. Double-stranded RNA viruses are recognized in a cell type-dependent manner by the transmembrane receptor TLR3 (MIM 603029) or by the cytoplasmic RNA helicases MDA5 (MIM 606951) and RIGI (ROBO3; MIM 608630). These interactions initiate signaling pathways that differ in their initial steps but converge in the activation of the protein kinases IKKA (CHUK; MIM 600664) and IKKB (IKBKB; MIM 603258), which activate NFKB (see MIM 164011), or TBK1 (MIM 604834) and IKKE (IKBKE; MIM 605048), which activate IRF3 (MIM 603734). Activated IRF3 and NFKB induce transcription of IFNB (IFNB1; MIM 147640). For the TLR3 pathway, the intermediary molecule before the pathways converge is the cytoplasmic protein TRIF (TICAM1; MIM 607601). For RIGI, the intermediary protein is mitochondria-bound IPS1 (Sen and Sarkar, 2005 [PubMed 16239922]).[supplied by OMIM]. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Other Notes	Small volumes of VISA 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 VISA purchase	MBS3234473 is a blocking peptide targeting VISA. Also known as VISA Peptide - N-terminal region.

ADDITIONAL DETAILS

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

NCBI GI #	83776598
NCBI GeneID	57506
NCBI Accession #	NP_065797

UniProt Primary Accession #	Q2HWT5
UniProt Related Accession #	Q7Z434
GenBank Nucleotide #	NM_020746
NCBI Official Full Name	mitochondrial antiviral-signaling protein isoform 1
NCBI Official Synonym Full Names	mitochondrial antiviral signaling protein
NCBI Official Symbol	MAVS
NCBI Official Synonym Symbols	IPS1; VISA; IPS-1; CARDIF
Protein Family	Mitochondrial antiviral-signaling protein
NCBI Protein Information	mitochondrial antiviral-signaling protein
NCBI Summary for VISA	This gene encodes an intermediary protein necessary in the virus-triggered beta interferon signaling pathways. It is required for activation of transcription factors which regulate expression of beta interferon and contributes to antiviral immunity. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]
Research Articles on VISA	**1.** On title.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/blocking-peptide/visa/3234473