Kr1_hhv11 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	KR1_HHV11, Blocking Peptide
Full Product Name	KR1_HHV11 Blocking Peptide
Product Gene Name	KR1_HHV11 blocking peptide
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	KR1_HHV11 peptide (MBS9627804) is used for blocking the activity of KR1_HHV11 antibody (MBS9609093)
Molecular Weight	52,835 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 KR1_HHV11 blocking peptide	Blocking/Control
Related Product Information for KR1_HHV11 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 KR1_HHV11 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 KR1_HHV11 purchase	MBS9627804 is a blocking peptide targeting KR1_HHV11.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KR1_HHV11. It may not necessarily be applicable to this product.

NCBI GI #	820945293
NCBI GeneID	2703401
NCBI Accession #	YP_009137138.1
UniProt Primary Accession #	P04413
GenBank Nucleotide #	NC_001806.2
NCBI Official Full Name	serine/threonine protein kinase US3
NCBI Official Symbol	US3

UniProt Protein Name	Serine/threonine-protein kinase US3
UniProt Gene Name	US3
NCBI Protein Information	tegument protein; phosphorylates nuclear egress lamina protein; mediates phosphorylation of HDAC1 and HDAC2 and other cellular and viral proteins; involved in protein phosphorylation; involved in apoptosis; involved in nuclear egress
UniProt Comments for KR1_HHV11	Multifunctional serine/threonine kinase that plays a role in several processes including egress of virus particles from the nucleus, modulation of the actin cytoskeleton and inhibition of apoptosis. Phosphorylates UL31 and UL34, two critical regulators of capsid budding from nucleus to endoplasmic reticulum, thereby facilitating virion egress. Modulates and redistributes host components of the nuclear envelope, including LMNA, emerin/EMD and the nuclear matrix protein MATR3. Phosphorylates envelope glycoprotein B (gB), probably to direct it to the cell surface. Promotes virus intracellular spread by restructuring host cell cytoskeleton. Blocks host apoptosis to extend cell survival and allow efficient viral replication. Promotes viral gene expression by phosphorylating host HDAC2 to reduce viral genome silencing.
Research Articles on KR1_HHV11	**1.** It regulates the pathogenicity of herpes simplex virus type-1
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/kr1hhv11/9627804