

herpesvirus 1 ICP47 Recombinant Protein | ICP47 recombinant protein

Recombinant Human herpesvirus 1 ICP47 protein

CATALOG # AAA309796	HOST Yeast	REACTIVITY HHV11
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PRODUCT SYNONYMS

herpesvirus 1 ICP47; Recombinant Human herpesvirus 1 ICP47 protein; Immediate-early protein IE12Immediate-early-5Infected cell protein 47US12 proteinVmw12; ICP47 recombinant protein

PRODUCT SPECIFICATIONS

Host	Yeast
Reactivity	HHV11
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	20mM Tris-HCl based buffer, pH8.0
Sequence Positions	Full Length, 1-88aa
Tag Info	His-tag
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.

ADDITIONAL INFORMATION

Related Product Information for ICP47 recombinant protein	Plays a role in the inhibition of host immune response. Binds specifically to transporters associated with antigen processing (TAP), thereby blocking peptide-binding and translocation by TAP as well as subsequent loading of peptides onto MHC class I molecules. pty MHC I molecules are retained in the endoplasmic reticulum and ultimately directed to proteasomal degradation. In consequence, infected cells are masked for immune recognition by cytotoxic T-lymphocytes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	820945303
NCBI GeneID	2703441
NCBI Accession #	YP_009137148.1
NCBI GenBank Nucleotide #	NC_001806.2
UniProt Accession #	P03170; Q99BW2; Q9E0N0; Q9E0N1
Molecular Weight	11.79kD
NCBI Official Full Name	TAP transporter inhibitor ICP47
NCBI Official Symbol	US12
NCBI Protein Information	inhibits antigen presentation; involved in immune regulation
UniProt Protein Name	ICP47 protein
UniProt Gene Name	US12

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/us12-recombinant-protein-yeast/309796>