Resolvase A22 (A22R) Vaccinia Virus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Resolvase A22 (A22R), Recombinant Protein
Full Product Name	Recombinant Vaccinia virus Resolvase A22 (A22R)
Product Gene Name	A22R recombinant protein
Sequence	MSSPMSKKDY SSEIICAFDI GAKNPARTVL EVKDNSVRVL DISKLDWSSD WERRIAKDLS QYEYTTVLLE RQPRRSPYVK FIYFIKGFLY HTSAAKVICV SPVMSGNSYR DRKKRSVEAF LDWMDTFGLR DSVPDRRKLD DVADSFNLAM RYVLDKWNTN YTPYNRCKSR NYIKKM
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	20,732 Da
Sequence Positions	1-176, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for P20997
Species	Vaccinia virus (strain Copenhagen) (VACV)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for A22R recombinant protein	MBS1226559 is a recombinant protein targeting A22R. Also known as Recombinant Vaccinia virus Resolvase A22 (A22R). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of A22R recombinant protein 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for A22R. It may not necessarily be applicable to this product.

NCBI GI #	137363
NCBI Accession #	P20997.1
UniProt Primary Accession #	P20997
NCBI Official Full Name	Resolvase A22
UniProt Protein Name	Resolvase A22
Protein Family	Resolvase
UniProt Gene Name	A22R

UniProt Comments for A22R	Plays a role in DNA replication by cleaving viral DNA concatamers to yield unit-length viral genomes. The concatamer junctions contain inverted repeat sequences that can be extruded as cruciforms, yielding Holliday junctions that A22 protein cleaves ().
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