Vaccinia Virus, Western Reserve, Recombinant Expressing Junin Virus, XJ Glycoprotein Precursor

Catalog No. NR-15691
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Contributor: Michael J. Buchmeier, Ph.D., Professor, Department of Medicine, University of California, Irvine, provided under government contract

Manufacturer: BEI Resources

Product Description:

Virus Classification: Poxviridae, Orthopoxvirus
Agent: Vaccinia virus
Strain: rVACV-JUNV XJ GPC [Vaccinia virus (VACV), Western Reserve recombinant expressing the glycoprotein precursor of Junin virus (JUNV), XJ]
Source: A cDNA clone containing the entire ORF encoding the glycoprotein precursor (GPC) from segment S of JUNV, XJ was inserted into the pRB21 transfer vector, bringing it under the control of a synthetic VACV early/late promoter (PSYN). Recombinant VACV was made by transfecting the transfer plasmid into CV-1 cells infected with the VACV strain vRB12.

JUNV is an Arenavirus (Arenaviridae, Arenavirus) which is the etiologic agent of Argentine hemorrhagic fever.

Material Provided:
Each vial contains approximately 1 mL of cell lysate and supernatant from Cercopithecus aethiops kidney epithelial cells (BSC-40, ATCC® CRL-2761™) infected with vaccinia virus, rVACV-JUNV XJ GPC.

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

Packaging/Storage:
NR-15691 was packaged aseptically, in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

Growth Conditions:
Host: BSC-40 cells (ATCC® CRL-2761™)
Growth Medium: Dulbecco’s Modified Eagle Medium supplemented with 10% fetal bovine serum, 1 mM sodium pyruvate and 2 mM L-glutamine
Infection: Cells should be 95% to 100% confluent
Incubation: 2 to 4 days at 37°C and 5% CO₂
Cytopathic Effect: Cell rounding and sloughing

Citation:
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Vaccinia Virus, Western Reserve, Recombinant Expressing Junin Virus, XJ Glycoprotein Precursor, NR-15691.”

Biosafety Level: 2

Disclaimers:
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