Vaccinia Virus, Western Reserve, Recombinant Expressing Sabiná Virus, SPH114202 Glycoprotein Precursor

Catalog No. NR-15505
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Contributor:
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Manufacturer:
BEI Resources

Product Description:
**Virus Classification:** Poxviridae, Orthopoxvirus
**Agent:** Vaccinia virus
**Strain:** rVACV-SABV GPC [Vaccinia virus (VACV), Western Reserve recombinant expressing the glycoprotein precursor (GPC) of Sabiná virus (SABV) SPH114202]
**Source:**
- A cDNA clone containing the entire ORF encoding the glycoprotein precursor from SABV SPH114202 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.

SABV is an Arenavirus (Arenaviridae, Arenavirus) which is the etiologic agent of Brazilian hemorrhagic fever.²

**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-SABV GPC.

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

**Packaging/Storage:**
NR-15505 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 containing 4 mM L-glutamine, 4500 mg/L glucose, 1 mM sodium pyruvate and 1500 mg/L sodium bicarbonate supplemented with 10% fetal bovine serum.
**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 Sabiná Virus, SPH114202 Glycoprotein Precursor, NR-15505."

**Biosafety Level:** 2

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References:

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