**Product Information Sheet for NR-3025**

**Plasmid** pETMPOX/B5RoΔTM Containing the B6R Gene from Monkeypox Virus, Zaire 79

**Catalog No. NR-3025**

This reagent is the tangible property of the U.S. Government.

For research use only. Not for human use.

**Contributor:**

Genoveffa Franchini, M.D., Animal Models and Retroviral Vaccines Section, NCI, NIH

**Manufacturer:**

BEI Resources

**Product Description:**

The monkeypox B6R gene (GenBank AY160189) was amplified from the plasmid pMPOX/B5Ro by PCR and subcloned into the prokaryotic expression vector pET26b (Novagen®), which contains coding sequences for a 6-histidine tag at the C-terminus of the expressed protein. The transmembrane (TM) domain of the B6R gene was deleted during subcloning so that the resulting vector would express only the extracellular domain of the protein. The plasmid was produced in *Escherichia coli* (E. coli) DH5α™ cells and extracted using a QiAGEN® EndoFree® Plasmid Maxi Kit. The pETMPOX/B5RoΔTM plasmid is reported to direct the expression of monkeypox B6R protein in inclusion bodies when transformed into an appropriate expression host cell such as *E. coli* BL21(DE3). The designation B5Ro is used to indicate that the B6R gene is the monkeypox ortholog of the vaccinia virus B5R gene.

**Material Provided:**

Each vial contains approximately 20 to 60 ng of plasmid DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 7.0). The lot-specific DNA concentration and content are shown on the Certificate of Analysis.

**Packaging/Storage:**

NR-3025 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Plasmid pETMPOX/B5RoΔTM Containing the B6R Gene from Monkeypox Virus, Zaire 79, NR-3025.”

**Biosafety Level:**

1


**Disclaimers:**

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

**Use Restrictions:**

This material is distributed for internal research, non-commercial purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale. Use of this material may be subject to third party patent rights (U.S. Patent Number 6,562,376).

**References:**


ATCC® is a trademark of the American Type Culture Collection.