Vaccinia Virus (WR) A33R Protein with C-terminal Histidine Tag, Recombinant from baculovirus

Catalog No. NR-545

For research use only. Not for human use.

Contributor:
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Product Description:
NR-545 is a recombinant form of the A33R membrane glycoprotein (A33Rt; residues 58 to 185, C-terminal histidine-tagged) of the Western Reserve (WR) strain of vaccinia virus. The full length A33R protein is 185 residues (GenPept: P68617). NR-545 was produced in Sf9 insect cells using a baculovirus expression system and was purified using ammonium sulfate precipitation and nickel affinity chromatography. The predicted protein sequence is shown in Table 1 below. Non-vaccinia virus residues are underlined.

Material Provided:
Each vial contains approximately 0.5 mg of NR-545 in 50 mM borate buffer (pH 8) containing 100 mM NaCl. The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

Packaging/Storage:
NR-545 was packaged aseptically in cryovials. The product is provided on dry ice and should be stored at -60°C or colder immediately upon arrival. Repeated freeze-thaw cycles of this product should be avoided.

Functional Activity:
NR-545 was demonstrated to be functionally active based on its reactivity with human polyclonal anti-vaccinia virus immune globulin (VIG) and a monoclonal antibody to A33R (BEI Resources NR-777).

Citation:
Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Vaccinia Virus (WR) A33R Protein with C-terminal Histidine Tag, Recombinant from baculovirus, NR-545."

Biosafety Level: 1

Disclaimers:
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References:


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<thead>
<tr>
<th>Table 1 – Predicted Protein Sequence</th>
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<tr>
<td>1  DPRLNCMSA NEAAITDAAV AVAAASSTHR KVASSTQYD HKESCNGLYY</td>
</tr>
<tr>
<td>51  QGSCYILDSD YQLFSDAKAN CTAESSTLPN KSDLITWLI DYVETWGD</td>
</tr>
<tr>
<td>101  GNPITKTTSD YQDSDVSEQEV RKYFCVKTMN HHHHHH</td>
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Non-vaccinia virus amino acids are underlined.