Vaccinia Virus, Western Reserve, A33R Protein with C-Terminal Histidine Tag, Recombinant from Baculovirus

Catalog No. NR-2623

For research use only. Not for human use.

Contributor:
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Manufacturer:
Chesapeake PERL, Inc., Savage, Maryland

Product Description:
NR-2623 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-2623 was produced in cabbage looper (Trichoplusia ni) insect larvae using a baculovirus expression vector system® and was purified using 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 1 mg of NR-2623 in 25 mM phosphate buffer (pH 7.0) containing 150 mM NaCl/50% glycerol (v/v). The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

Packaging/Storage:
NR-2623 was packaged aseptically in cryovials. The product is provided on dry ice and should be stored at -80°C or colder immediately upon arrival. Repeated freeze-thaw cycles of this product should be avoided.

Functional Activity:
NR-2623 was demonstrated to be functionally active based on its reactivity with mouse monoclonal antibody to A33R (BEI Resources NR-565).

Citation:
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Vaccinia Virus, Western Reserve, A33R Protein with C-Terminal Histidine Tag, Recombinant from Baculovirus, NR-2623.”

Biosafety Level: 1

Disclaimers:
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References:

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3. PERLXpress™, Chesapeake Protein Expression and Recovery Labs (PERL).


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<table>
<thead>
<tr>
<th>Table 1 – Predicted Protein Sequence</th>
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<tr>
<td>1  DPRLNQCMSA  NEAAITDAAV  AVAAASSTHR  KVASSTTQYD  HKESCNGLYY</td>
</tr>
<tr>
<td>51  QGSCYILHSD  YQLFSDAKAN  CTAESSTLPN  KSDVLITWLI  DYVEDTWGSD</td>
</tr>
<tr>
<td>101  GNPITKTTS  YQDSDVSQE  RKYFCVKTMN  HHHHHH</td>
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Non-vaccinia virus amino acids are underlined.