

## Vaccinia Virus (WR) B5R Protein with N-terminal Histidine Tag, Recombinant from baculovirus

**Catalog No. NR-2624**

**Product Description:** NR-2624 is a recombinant form of the B5R membrane glycoprotein [B5R(275t); residues 20 to 275, N-terminal histidine-tagged] of the Western Reserve (WR) strain of vaccinia virus. NR-2624 was produced in cabbage looper (*Trichoplusia ni*) insect larvae using a baculovirus expression vector system<sup>1</sup> and was purified using nickel affinity chromatography.

**Lot: 5051775**

**Manufacturing Date: 20MAR2006**

TEST	SPECIFICATIONS	RESULTS
<b>SDS-PAGE (Coomassie Blue densitometer scan)</b>	Dominant band near 37-kDa marker ≥ 95% pure	Dominant band near 37-kDa marker ≥ 99% pure (see Figure 1)
<b>Identification by Western Blot</b> Mouse monoclonal antibody to B5R <sup>2</sup> Mouse monoclonal antibodies to A27L <sup>3</sup>	Reactive Not reactive	Reactive (see Figure 2) Not reactive
<b>Demonstration of Protein Glycosylation</b>	Size reduction of protein observed on SDS-PAGE when treated with de-glycosylating enzymes N-glycosidase F	Size reduction of protein observed on SDS-PAGE when treated with de-glycosylating enzyme N-glycosidase F (see Figure 3)
<b>Concentration by Spectrophotometer at OD<sub>280</sub></b>	1.0 mg/mL ± 0.1 mg/mL	1.0 mg/mL
<b>Functional Activity by Western Blot</b>	Reactive with human polyclonal anti-vaccinia virus immune globulin (VIG) <sup>4</sup> and mouse monoclonal antibodies to B5R <sup>2,5,6</sup>	Reactive with human polyclonal anti-vaccinia virus immune globulin (VIG) <sup>4</sup> and mouse monoclonal antibodies to B5R <sup>2,5,6</sup>

<sup>1</sup>PERLXpress™, Chesapeake Protein Expression and Recovery Labs (PERL).

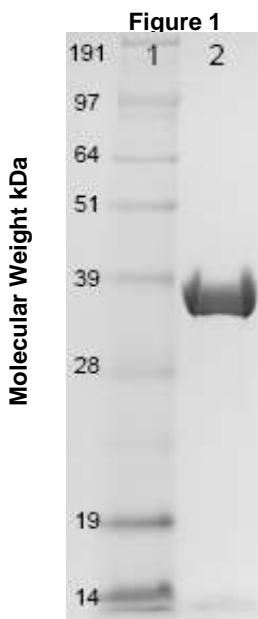
<sup>2</sup>BEI Resources NR-426.

<sup>3</sup>BEI Resources NR-567 to NR-569.

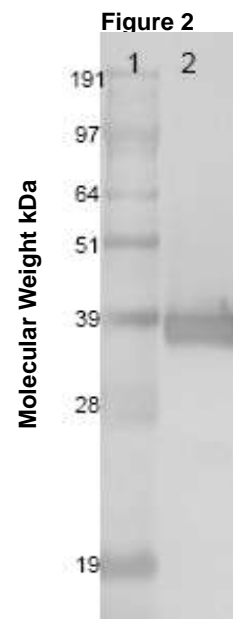
<sup>4</sup>BEI Resources NR-650.

<sup>5</sup>BEI Resources NR-422 to NR-424, NR-427 to NR-431, NR-551 to NR-556 and NR-559 to NR-562.

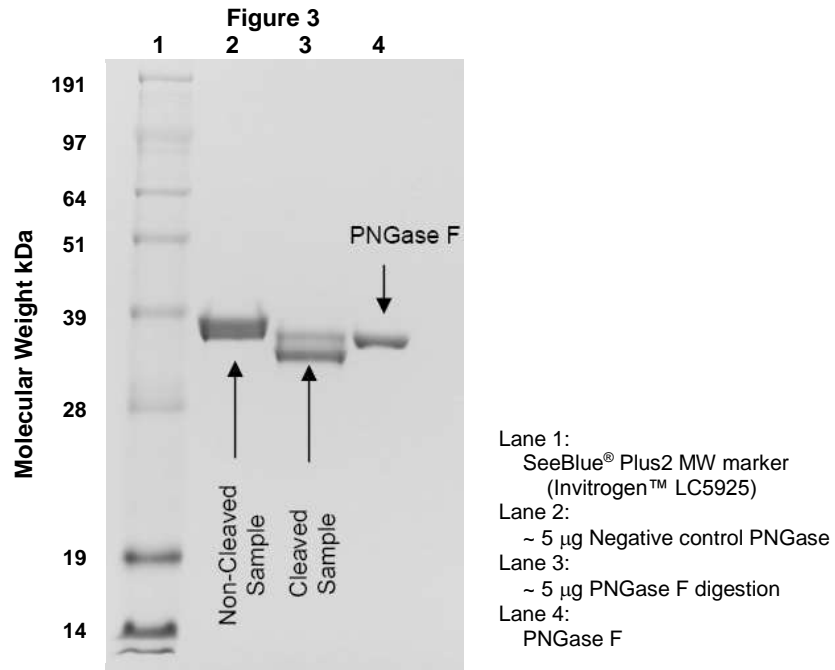
<sup>6</sup>Note: NR-2624 reacted with BEI Resources NR-551 and NR-555 under non-reducing conditions, but not under reducing conditions.



Lane 1:  
SeeBlue® Plus2 MW marker  
(Invitrogen™ LC5925)  
Lane 2:  
10 µg NR-2624



Lane 1:  
SeeBlue® Plus2 MW marker  
(Invitrogen™ LC5925)  
Lane 2:  
0.1 µg NR-2624



**Date:** 07 Sep 2006

**Signature:** Signature on File

**Title:** Technical Manager, BEI Authentication

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