

**Vaccinia Virus (WR) L1R Protein with C-Terminal Histidine Tag, Recombinant from Baculovirus**

**Catalog No. NR-21986**

**Product Description:** A recombinant form of the L1R membrane glycoprotein [L1R (185t)] of the Western Reserve (WR) strain of vaccinia virus (VV) containing a C-terminal histidine-tag was produced in High-5 insect cells using a baculovirus expression system and purified using nickel affinity chromatography. NR-21986 contains residues 1 to 185 of the L1R protein.

**Lot: 59637788**

**Manufacturing Date: 12JAN2011**

TEST	SPECIFICATIONS	RESULTS
Appearance	Clear and colorless with no particulate matter	Clear and colorless with no particulate matter
SDS-PAGE (Coomassie Blue densitometer scan)	Dominant band near 25 kDa marker accounts for $\geq 95\%$ of staining intensity	Dominant band near 25 kDa marker accounts for $\geq 99\%$ of staining intensity (Figure 1)
<b>Identification and Functional Activity by Western Blot Analysis</b> Human polyclonal anti-VV immune globulin (VIG) <sup>1</sup> Mouse monoclonal antibodies to VV (WR) L1R residues 1-185 <sup>2</sup> Mouse monoclonal antibody to VV (WR) A33R residues 58-185 <sup>3</sup>	Reactive  Reactive  Not reactive	Reactive  Reactive (representative data in Figure 2) Not reactive
Protein Content	0.1 mg $\pm$ 0.02 mg	0.12 mg
Concentration by Bradford Assay <sup>4</sup>	1.0 mg/mL $\pm$ 0.1 mg/mL	1.1 mg/mL
Demonstration of Protein Glycosylation	Size reduction of protein observed on SDS-PAGE when treated with de-glycosylating enzyme N-glycosidase F (PNGase F)	Size reduction of protein observed on SDS-PAGE when treated with de-glycosylating enzyme PNGaseF (Figure 3)

<sup>1</sup>BEI Resources NR-650

<sup>2</sup>BEI Resources NR-417 to NR-421, and NR-566

<sup>3</sup>BEI Resources NR-565

<sup>4</sup>Using BSA as a standard

**Date:** 04 MAR 2011

**Signature:** 

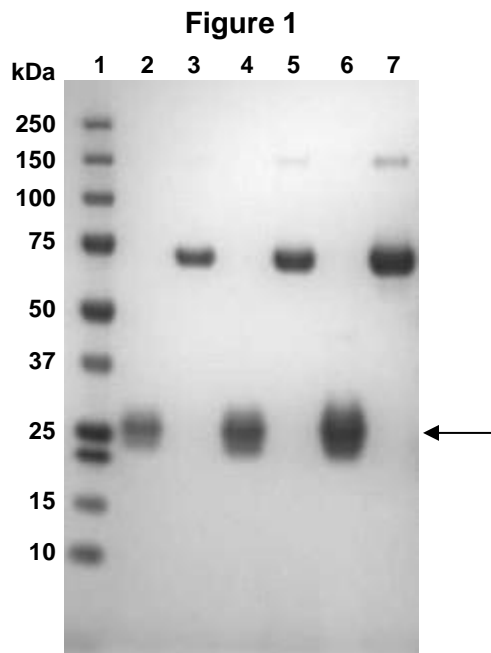
**Title:** Technical Manager, BEI Authentication or designee

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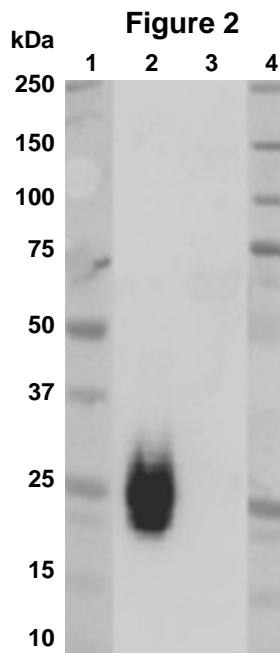
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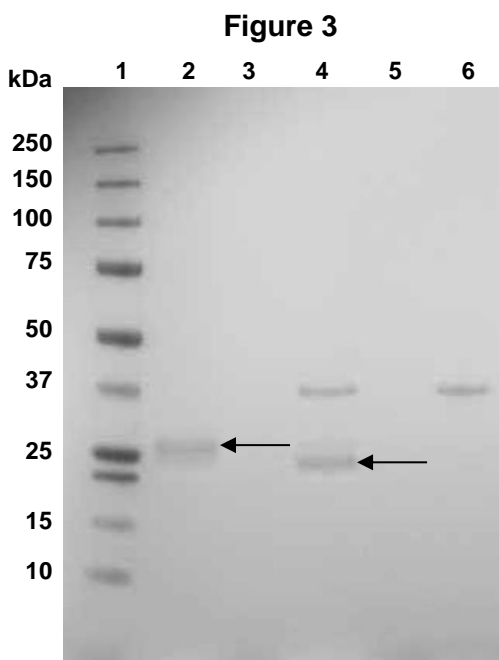




Lane 1: Precision Plus Protein™ marker (BioRad 161-0373)  
 Lane 2: 1 µg NR-21986  
 Lane 3: 1 µg BSA  
 Lane 4: 2 µg NR-21986  
 Lane 5: 2 µg BSA  
 Lane 6: 4 µg NR-21986  
 Lane 7: 4 µg BSA



Lane 1: Precision Plus Protein™ marker (BioRad 161-0373)  
 Lane 2: 5 µg NR-21986  
 Lane 3: 5 µg BSA  
 Lane 4: Precision Plus Protein™ marker (BioRad 161-0373)



Lane 1: Precision Plus Protein™ marker (BioRad 161-0373)  
 Lane 2: 1 µg NR-21986, no PNGase F  
 Lane 3: blank  
 Lane 4: 1 µg NR-21986, with PNGase F  
 Lane 5: blank  
 Lane 6: PNGase F only