

Vaccinia Virus (WR) B5R Protein with N-Terminal Histidine Tag, Recombinant from Baculovirus

Catalog No. NR-22132

Product Description: A recombinant form of the B5R membrane glycoprotein [B5R (275t)] of the Western Reserve (WR) strain of vaccinia virus (VV) containing an N-terminal histidine-tag was produced in Sf9 insect cells using a baculovirus expression system and purified using nickel affinity chromatography. NR-22132 contains residues 20 to 275 of the B5R protein.

Lot: 59847960

Manufacturing Date: 10MAR2011

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 37 kDa marker accounts for $\geq 95\%$ of staining intensity	Dominant band near 37 kDa marker accounts for $\geq 99\%$ of staining intensity (Figure 1)
Identification and Functional Activity by Western Blot Analysis (Reducing Conditions) Human polyclonal anti-VV immune globulin (VIG) Mouse monoclonal antibodies to VV (WR) B5R residues 20-275 Mouse monoclonal antibodies to VV (WR) B5R residues 20-275 Mouse monoclonal antibodies to VV (WR) A27L residues 1-110	Reactive Report results Report results Not reactive	Reactive ¹ Reactive (representative data in Figure 2) ² Not reactive ³ Not reactive ⁴
Protein Content	0.1 mg \pm 0.02 mg	0.12 mg
Concentration by Bradford Assay⁵	Report results	0.74 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)

¹BEI Resources NR-650

²BEI Resources NR-422 to NR-424, NR-427 to NR-431, NR-552 to NR-554, and NR-559 to NR-562 (Note: NR-556 and NR-560 are weakly reactive)

³BEI Resources NR-551 and NR-556

⁴BEI Resources NR-567 to NR-569

⁵Using BSA as a standard

Date: 01 DEC 2011

Signature:



Title:

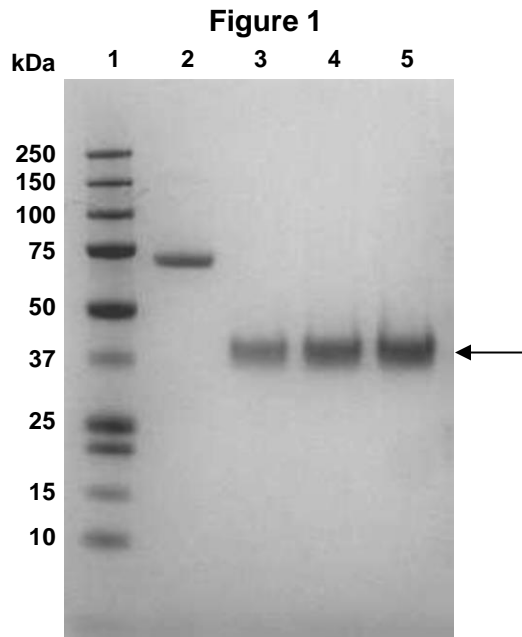
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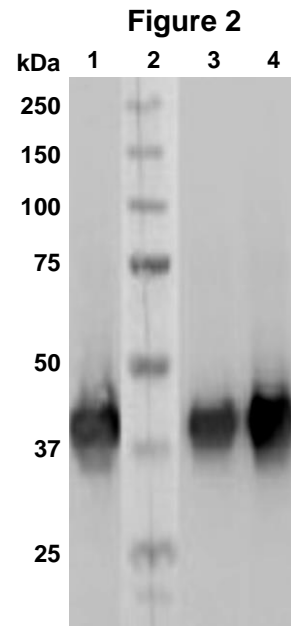
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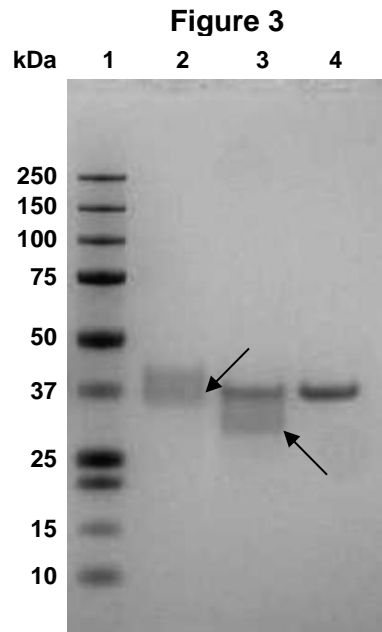




Lane 1: Precision Plus Protein™ marker (BioRad 161-0373)
 Lane 2: 2 µg BSA
 Lane 3: 2 µg NR-22132
 Lane 4: 3 µg NR-22132
 Lane 5: 4 µg NR-22132



Lane 1: NR-422 (mouse monoclonal anti-B5R)
 Lane 2: Precision Plus Protein™ marker (BioRad 161-0373)
 Lane 3: NR-423 (mouse monoclonal anti-B5R)
 Lane 4: NR-424 (mouse monoclonal anti-B5R)



Lane 1: Precision Plus Protein™ marker (BioRad 161-0373)
 Lane 2: 1 µg NR-22132, no PNGase F
 Lane 3: 1 µg NR-22132, with PNGase F
 Lane 4: PNGase F only