

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

Catalog No. NR-2623

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. NR-2623 was produced in cabbage looper (*Trichoplusia ni*) insect larvae using a baculovirus expression vector system¹ and was purified using nickel affinity chromatography.

Lot: 60860932

Manufacturing Date: 22JUN2012

TEST	SPECIFICATIONS	RESULTS
SDS-PAGE (Coomassie Blue Densitometer Scan)	Dominant band near 17 kDa marker ≥ 95% pure	Dominant band near 17 kDa marker 99% pure (Figure 1)
Identification by Western Blot Mouse monoclonal antibody to A33R ² Mouse monoclonal antibody to L1R ³	Reactive Not reactive	Reactive (Figure 2) Not reactive
Demonstration of Protein Glycosylation	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 (Figure 3)
Concentration by Spectrophotometer at OD₂₈₀	1.0 mg/mL ± 0.1 mg/mL	1.0 mg/mL
Filtration	0.22 µm filtered	0.22 µm filtered

¹PERLXpress™, Chesapeake Protein Expression and Recovery Labs (PERL)

²BEI Resources NR-565

³BEI Resources NR-417

Date: 15 AUG 2012

Signature: 

Title: Technical Manager, BEI Authentication or designee

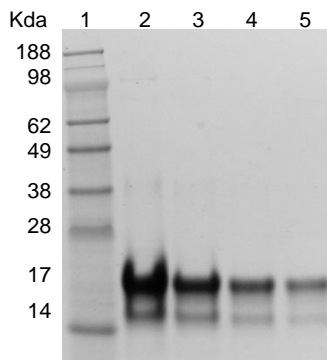
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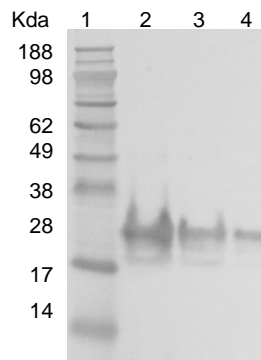


Figure 1: SDS-PAGE



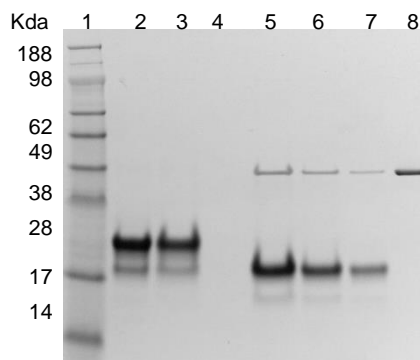
Lane 1: SeeBlue® Plus2 MW marker (Invitrogen™ LC5925)
 Lane 2: 10.0 µg NR-2623
 Lane 3: 5.0 µg NR-2623
 Lane 4: 2.5 µg NR-2623
 Lane 5: 1.25 µg NR-2623

Figure 2: Western Blot with Monoclonal Anti-A33R



Lane 1: SeeBlue® Plus2 MW marker (Invitrogen™ LC5925)
 Lane 2: 2.5 µg NR-2623
 Lane 3: 1.25 µg NR-2623
 Lane 4: 0.63 µg NR-2623

Figure 3: SDS-PAGE of PNGase-Treated NR-2623



Lane 1: SeeBlue® Plus2 MW marker (Invitrogen™ LC5925)
 Lane 2: 5 µg NR-2623
 Lane 3: 5 µg NR-2623, Neg. PNGaseF
 Lane 4: Blank
 Lane 5: 5 µg NR-2623, PNGaseF Digest
 Lane 6: 2.5 µg NR-2623, PNGaseF Digest
 Lane 7: 1.25 µg NR-2623, PNGaseF Digest
 Lane 8: PNGaseF Enzyme