

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

Catalog No. NR-546

Product Description: NR-546 is a recombinant form of the B5R membrane glycoprotein [B5R(275t); residues 20 to 275 comprising the ectodomain, N-terminal histidine-tagged]¹ of the Western Reserve (WR) strain of vaccinia virus. NR-546 was produced in Sf9 insect cells using a baculovirus expression system and was purified using ammonium sulfate precipitation and nickel affinity chromatography.

Lot: 4172643

Manufacturing Date: 22SEP2005

TEST	SPECIFICATIONS	RESULTS
SDS-PAGE (Coomassie Blue densitometer scan)	Single dominant band between 30K and 46K MW markers	Single dominant band (> 90%) between 30K and 46K MW markers
Concentration by Spectrophotometer at OD₂₈₀	1.0 mg/mL ± 5%	1.0 mg/mL
Functional Activity ELISA assay	Reactive with human polyclonal anti-vaccinia virus immune globulin (VIG) and monoclonal antibodies to B5R ²	Reactive with human polyclonal anti-vaccinia virus immune globulin (VIG) and monoclonal antibodies to B5R ²
Sterility Using Direct Inoculation Method	No growth	No growth
Mycoplasma Contamination	None detected	None detected

¹Aldaz-Carroll, L., et al. "Epitope-Mapping Studies Define Two Major Neutralization Sites on the Vaccinia Virus Extracellular Enveloped Virus Glycoprotein B5R." *J. Virol.* 79 (2005): 6260–6271. PubMed: 15858010.

²BEI Resources NR-422 to NR-424, NR-426 to NR-431, NR-551 to NR-556 and NR-559 to NR-562.

Date: 03 JAN 2006

Signature: Signature on File

Title: Technical Manager, BEI Authentication

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