

## Variola Major Virus (Bangladesh-1975) B6R Protein, Recombinant from Baculovirus

**Catalog No. NR-10502**

**Product Description:** NR-10502 is a recombinant form of the variola major (Bangladesh-1975) B6R protein, a homolog of the vaccinia virus (WR) B5R protein. The full-length variola major virus B6R protein contains 317 amino acid residues (GenPept: AAA60915; GenBank: L22579). NR-10502 is a truncated form of B6R, comprising of amino acid residues 20 to 275, and lacking the C-terminal transmembrane domain of the intact protein. NR-10502 was produced by baculovirus infection of *Trichoplusia ni* insect larvae using the proprietary Chesapeake PERL technology, PERLXpress.<sup>1</sup> The protein was purified using standard chromatographic methods.

**Lot: 58371073**

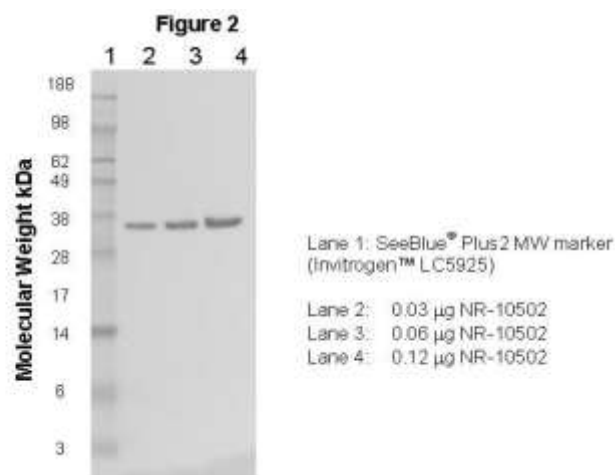
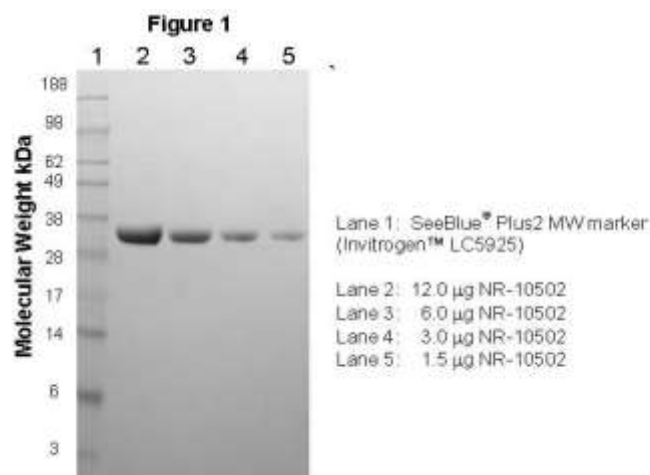
**Manufacturing Date: 23OCT2008**

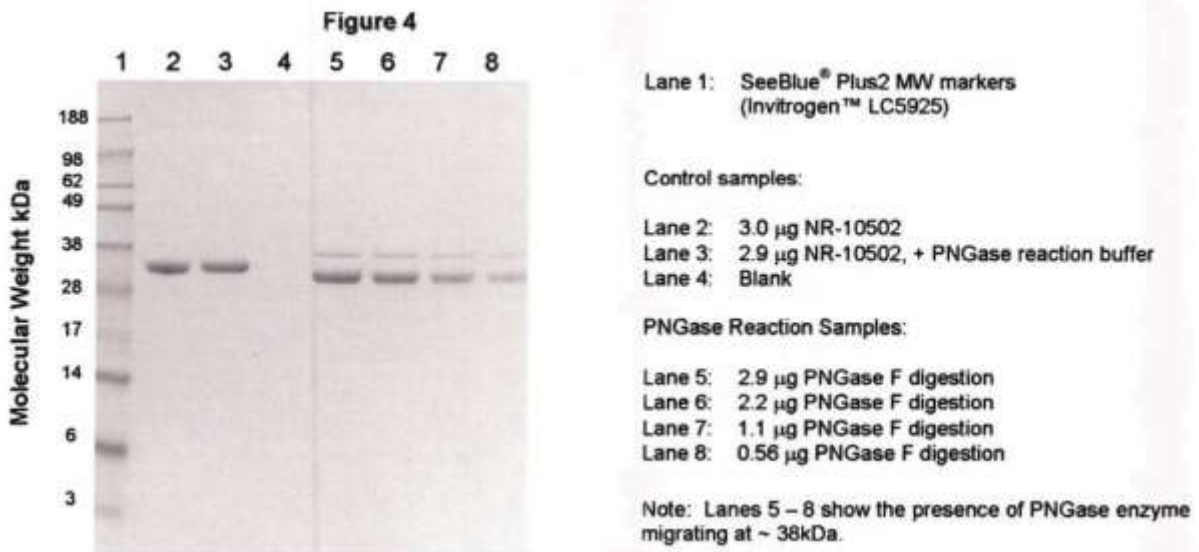
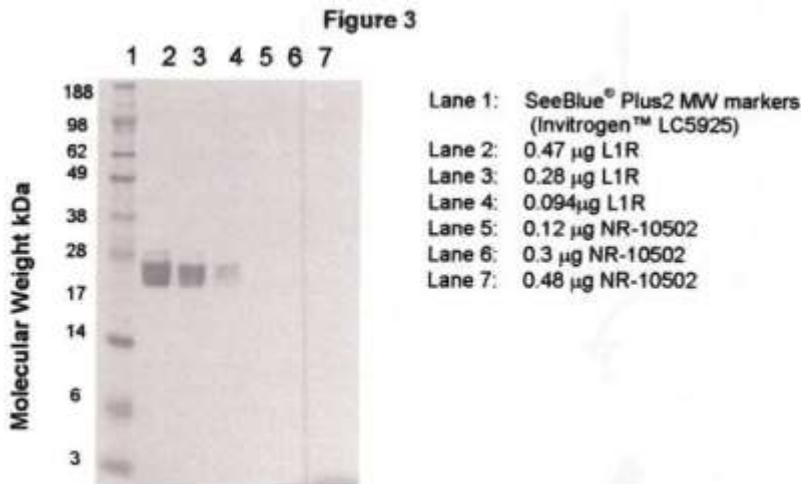
TEST	SPECIFICATIONS	RESULTS
<b>SDS-PAGE (Coomassie Blue digital imaging)</b>	Dominant band, ~ 32 kDa ≥ 95% pure	Dominant band, ~ 32 kDa ≥ 97% pure (Figure 1)
<b>Identification by Western Blot</b> Mouse monoclonal antibody to vaccinia B5R <sup>2</sup> Mouse monoclonal antibody to vaccinia L1R <sup>3</sup>	Reactive Not reactive	Reactive (Figure 2) Not reactive (Figure 3)
<b>Evaluation of Protein N-Glycosylation</b>	Size reduction of protein observed on SDS-PAGE when treated with de-glycosylating enzyme PNGase F	Size reduction of protein observed on SDS-PAGE when treated with de-glycosylating enzyme PNGase F (Figure 4)
<b>Concentration by Bicinchoninic Acid Protein Assay</b>	1.0 mg/mL ± 0.3 mg/mL	1.2 mg/mL

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

<sup>2</sup>VMC-11; provided by G. H. Cohen and R. J. Eisenberg (monoclonal antibody prepared from the same hybridoma as VMC-11 is available as BEI Resources NR-426)

<sup>3</sup>VMC-2; provided by G. H. Cohen and R. J. Eisenberg (monoclonal antibody prepared from the same hybridoma as VMC-2 is available as BEI Resources NR-417)





**Date:** 26 MAR 2009

**Signature:** Signature on File

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

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