

Yersinia pestis* LcrV Protein, Recombinant from *Escherichia coli

Catalog No. NR-32875

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Product Description: Recombinant LcrV protein (*Y. pestis*, strain KIM5) was expressed in *Escherichia coli* BL21 cells. The N-terminal deca-histidine tagged protein was purified using nickel affinity chromatography. Cleavage with Factor Xa resulted in a protein with one extra histidine at the amino acid terminus. The protein preparation was treated with Triton X-114 to reduce endotoxin contamination.

Lot¹: 60483501

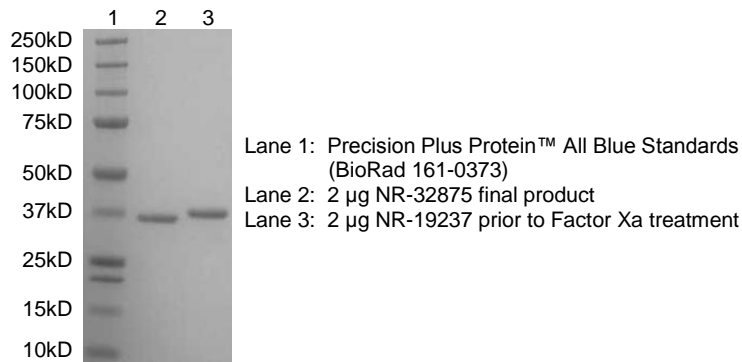
Manufacturing Date: 04NOV2011

| TEST | SPECIFICATIONS | RESULTS |
|--|--------------------------------------|---|
| Appearance | Clear and colorless | Clear and colorless |
| SDS-PAGE (Coomassie Blue densitometer scan) | Dominant band ~ 37 kDa > 95% pure | Dominant band ~ 37 kDa > 95% pure (see Figure 1) |
| Concentration and Content by Bradford Assay ² | Report results | 0.94 mg/mL (0.94 mg per vial) |
| Endotoxin Content (Limulus Amoebocyte Lysate Assay) | Report results | 1.5 – 7.5 EU/mL |

¹NR-32875 was extracted from a preparation of *E. coli* BL21(DE3) cells and purified by nickel affinity and gel filtration chromatography. The N-terminal histidine tag was removed from the protein by digestion with Factor Xa (Novagen Catalog No. 69036).

²Using BSA as a standard

Figure 1 – SDS-PAGE



Date: 19 DEC 2011

Signature: *Dorothy C. Young*

Title: Technical Manager, BEI Authentication or designee

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