

Yersinia pestis LcrV Protein, Recombinant from Escherichia coli

Catalog No. NR-32875

This reagent is the property of the U.S. Government.

Product Description:

Yersinia pestis (*Y. pestis*), the causative agent of the plague, secretes massive amounts of LcrV (low-calcium-response V or V antigen) during infection. Mutations that abrogate the expression of LcrV render *Y. pestis* avirulent. Recombinant LcrV protein (*Yersinia pestis*, strain KIM5) was expressed in *Escherichia coli* (*E. coli*) BL21 cells.

Lot: 70081559

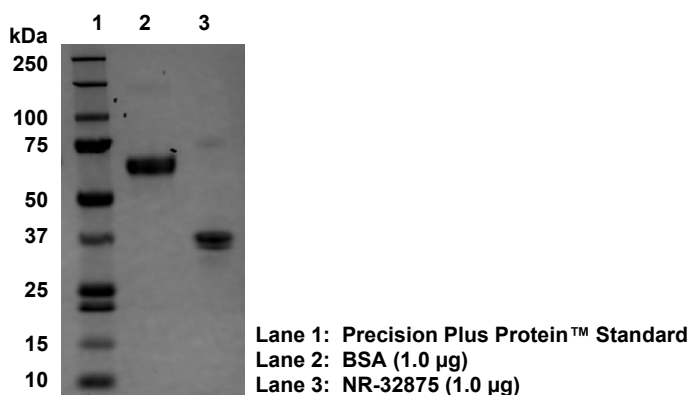
Manufacturing Date: 05MAR2026

TEST	SPECIFICATIONS	RESULTS
Appearance	Report results	Clear and colorless
SDS-PAGE Analysis	Protein band of interest represents > 90% of total staining intensity	Dominant band of ~ 37 kDa accounts for 92.9% of total staining intensity (Figure 1)
Concentration by Bradford Assay ¹	Report results	1.49 mg/mL
Final Product		
Quantity per vial	Report results	223 µg
Volume per vial	Report results	150 µL
Identification by Western Blot		
Monoclonal anti-histidine tag ²	Reactive	Reactive (Figure 2)
Endotoxin Content (Limulus Amoebocyte Lysate Assay)	≤ 100 EU/µg	≤ 5 EU/µg
Filtration	0.2 µm sterile-filtered	0.2 µm sterile-filtered

¹Using bovine serum albumin (BSA) as a standard.

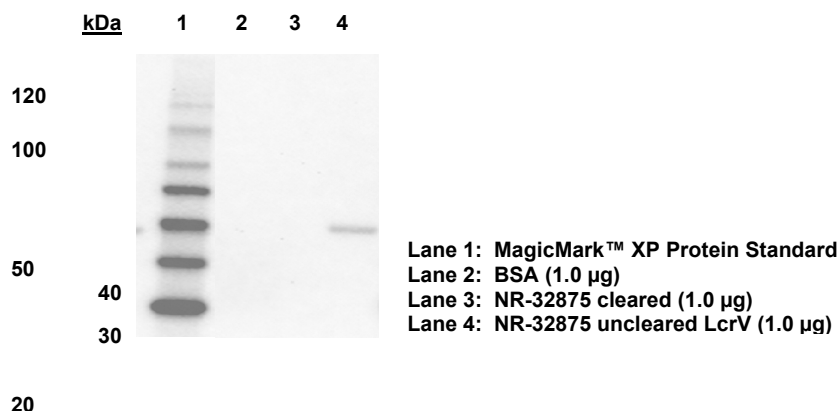
²Using a 1:1000 dilution of mouse monoclonal anti-histidine tag (MAB050-100) as primary antibody and a 1:1000 dilution of HRP-conjugated goat anti mouse IgG (R&D Systems HAF007) as secondary antibody.

Figure 1: SDS-PAGE Analysis



Certificate of Analysis for NR-32875

Figure 2: Western Blot with Monoclonal Anti-Histidine Tag



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27 APR 2026

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