Yersinia pestis F1-V Fusion Protein, Monomer-Enriched Antigen, Recombinant from Escherichia coli

Catalog No. NR-2561
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Contributor:
National Institutes of Allergy and Infectious Diseases, National Institutes of Health

Product Description:
Recombinant Yersinia pestis (Y. pestis) F1-V fusion protein, monomer-enriched antigen was purified from Escherichia coli and depleted of DNA and endotoxin.1 Originally developed by the U.S. Army Medical Research Institute of Infectious Disease (USAMRIID), F1-V is a fusion protein consisting of the Fraction 1 (F1) capsular protein and the virulence-associated (V) regulatory protein from Y. pestis (GenPept: AAY23169).2,3

Material Provided:
Each vial contains approximately 1.5 mg of recombinant F1-V fusion protein in 20 mM L-arginine, 10 mM sodium chloride and 1 mM L-cysteine. The concentration and post-vialing pH are shown on the Certificate of Analysis for each lot.

Packaging/Storage:
NR-2561 was packaged in glass serum vials. It is provided frozen and should be stored at -70°C or colder immediately upon arrival. Thawed material should be held at 2°C to 8°C and used within 8 hours.

Functional Activity:
NR-2561 was demonstrated to be functionally active based on its reactivity with antibodies to both the F1 and V proteins. NR-2561 is protective in a Y. pestis lethal challenge murine model.

Citation:
Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Yersinia pestis F1-V Fusion Protein, Monomer-Enriched Antigen, Recombinant from Escherichia coli, NR-2561."

Biosafety Level: 1

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References:


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