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

Catalog No. NR-4526

For research use only. Not for human use.

Contributor:
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Product Description:
Yersinia pestis (Y. pestis) recombinant F1-V fusion protein was expressed in Escherichia coli and purified by conventional chromatography. 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 joined by a two amino acid linker (GenPept: AAY23169).1,2

Material Provided:
Each vial contains approximately 2.1 mg of recombinant F1-V fusion protein in phosphate buffered saline (PBS).

Packaging/Storage:
NR-4526 was packaged in stoppered glass serum vials with a crimp seal. It is provided in solution at 2-8°C and should be stored at 2-8°C immediately upon arrival. Do not freeze.

Functional Activity:
NR-4526 was demonstrated to be functionally active based on its reactivity with F1-V specific antisera. Recombinant F1-V fusion protein is protective in a Y. pestis lethal challenge murine model.2,3

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, Recombinant from Escherichia coli, NR-4526.”

Biosafety Level: 1

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References:


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