Active Recombinant Bacillus anthracis pxo1_110 Protein

Cat. No. pxo1_110-01B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Bacillus anthracis pxo1_110 (PA) Protein 30-764aa (signal peptide removed), fused with no tag, was expressed in Bacillus.
Species	Bacillus anthracis
Source	Bacillus
ProteinLength	30-764 a.a.
Description	One of the three proteins composing the anthrax toxin, the agent which infects many mammalian species and that may cause death. PA binds to a receptor (ATR) in sensitive eukaryotic cells, thereby facilitating the translocation of the enzymatic toxin components, edema factor and lethal factor, across the target cell membrane. PA associated with LF causes death when injected, PA associated with EF produces edema. PA induces immunity to infection with anthrax.
Predicted N Terminal	Glu 30
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its binding ability in a functional ELISA.
Molecular Mass	The recombinant mature bacillus anthrax protein antigen consists of 735 amino acids and has a calculated molecular mass of 82.7 KD.

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Endotoxin	<1.0EU/ug, LAL method
Purity	>95% (SDS-PAGE)
Stability	Samples are stable for up to twelve months from date of receipt at -70ºC.
Storage	Store it under sterile conditions at -20ºC~-70ºC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Official Symbol	pxo1_110

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