

Bacillus Anthracis Recombinant Protein

Bacillus Anthracis (Anthrax) protein (Protective Antigen)

CATALOG #
AAA75323

PRODUCT SYNONYMS

Bacillus Anthracis; Bacillus Anthracis (Anthrax) protein (Protective Antigen); Bacillus Anthracis Protein; Bacillus anthracis Protective Nicked Antigen; Anthrax Protein; Recombinant B Anthracis; Bacillus Anthracis recombinant protein

PRODUCT SPECIFICATIONS

Form/Format	Lyophilized from 10mM BIS-Tris propane, pH 8.5, with 1.25% trehalose. Reconstitute in sterile 50% Glycerol or sterile distilled water to a final concentration of 1mg/ml. Addition of BSA may enhance stability.
Concentration	100ug lyophilized (varies by lot)
Sequence Length	129
Species	Viral
Grade	Recombinant
Preparation and Storage	Shipping: Blue Ice; After receipt, store at 4°C.

ADDITIONAL INFORMATION

Related Product Information for Bacillus Anthracis recombinant protein	PA63 is the carboxyl-terminal 63- kDa fragment obtained by the proteolytic cleavage of the receptor-bound protective antigen (PA), one of the three proteins that comprise anthrax toxin. Unlike native PA, PA 63 oligomerizes to form a ring-shaped heptamer that binds up to three copies of EF and/or LF competitively and with high affinity (kDa ~1 nM). Whereas native PA persists on the cell surface, the heptamer is endocytosed, presumably because oligomerization aggregates anthrax toxin receptor. The endocytosed toxic complexes are trafficked to endosomal compartments where the low pH causes the PA63 heptamer to insert into the membrane and form a water-filled channel.
Product Categories/Family for Bacillus Anthracis recombinant protein	Infectious Disease

NCBI AND UNIPROT INFORMATION

NCBI GI #	156255913
Molecular Weight	Major band at 63kDa, by SDS-PAGE
NCBI Official Full Name	Bacillus anthracis protective antigen, partial

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.