

Bacillus anthracis* Spore Coat Protein GerQ (Locus Tag: BA_5641) with N-terminal Histidine Tag, Recombinant from *Escherichia coli

Catalog No. NR-10435

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

Product Description: NR-10435 is a recombinant form of the *Bacillus anthracis* (*B. anthracis*) spore coat protein GerQ (also YwdL; locus_tag: BA_5641), a component of the proteinaceous layer surrounding the spore's outer membrane.

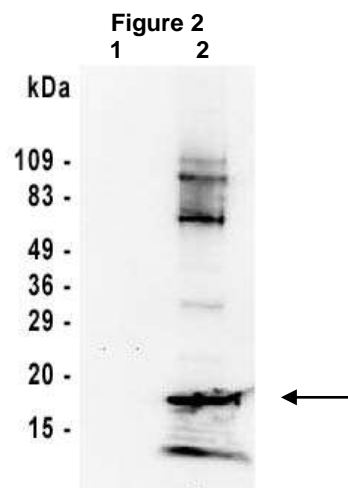
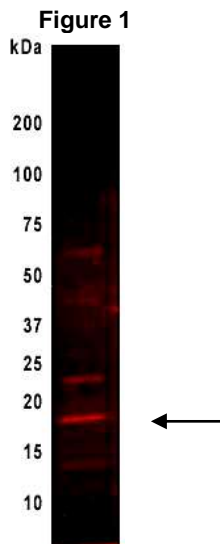
Lot: 58338339

Manufacturing Date: 15SEP2008

TEST	SPECIFICATIONS	RESULTS
Appearance	Clear and colorless, no particulate matter	Clear and colorless, no particulate matter
SDS-PAGE (SYPRO Orange densitometer scan)	Report results	18 kDa band represents 60% of total protein (Figure 1) ¹
SELDI-TOF Mass Spectrometry	Measured mass within 5% of expected mass based on amino acid sequence (18460 Da)	Measured mass within 1% of expected mass based on amino acid sequence (18329 Da)
Concentration by Bicinchoninic Acid Protein Assay	Report results	0.02 mg/mL
Functional Activity by Western Blot ² (Figure 2) Recombinant GerQ (NR-10435) Carbonic anhydrase	Reactive Non-reactive	Reactive ¹ Non-reactive
Sterility	0.22 µm filter sterilized	0.22 µm filter sterilized

¹Higher molecular weight species may represent aggregates of the monomer.

²Using rabbit polyclonal antibody to GerQ (BEI Resources NR-10436)



Lane 1: Carbonic anhydrase
Lane 2: NR-10435

Date: 10 APR 2009

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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