

Bacillus anthracis* Collagen-like Protein BclA (Locus Tag: BA_1222) with N-terminal Histidine Tag, Recombinant from *Escherichia coli

Catalog No. NR-9577

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

Product Description: NR-9577 is a recombinant form of the *Bacillus anthracis* collagen-like protein (BclA), a major component of the exosporium.

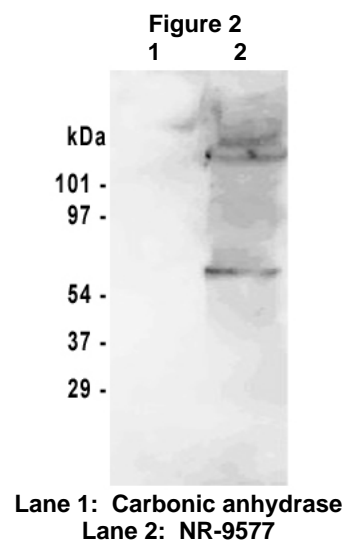
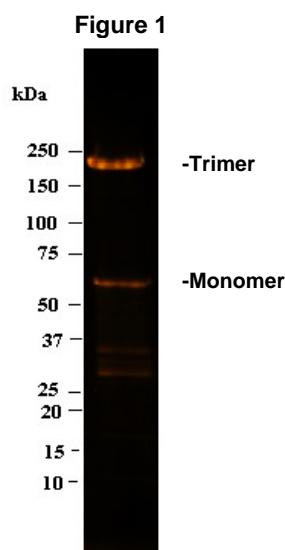
Lot: 58036867

Manufacturing Date: 10SEP2008

TEST	SPECIFICATIONS	RESULTS
Appearance	Clear and colorless, no particulate matter	Clear and colorless, no particulate matter
SDS-PAGE (SYPRO Orange densitometer scan)	Report results	Dominant monomer and trimer bands observed (Figure 1) ¹
SELDI-TOF Mass Spectrometry	Measured mass within 5% of expected mass based on amino acid sequence (38.9 kDa)	Measured mass of each monomer peak with 5% of expected mass Peak 1: 37.4 kDa (within 4 %) Peak 2: 38.7 kDa (within 1 %)
Concentration by Bicinchoninic Acid Protein Assay	Report results	0.6 mg/mL
Functional Activity by Western Blot² (Figure 2) Recombinant BclA (NR-9577) Carbonic anhydrase	Reactive Non-reactive	Reactive Non-reactive
Sterility	0.22 µm filter sterilized	0.22 µm filter sterilized
Absorbance Ratio (OD₂₈₀/OD₂₆₀)	Report results	1.24

¹BclA has an aberrant electrophoretic mobility as described in the initial description of the protein.

²Using rabbit polyclonal antibody to BclA (BEI Resources NR-9578)



Date: 03 APR 2009

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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