

Perfringolysin O from *Clostridium perfringens* with N-Terminal Histidine Tag, Recombinant from *Escherichia coli*

Catalog No. NR-10357

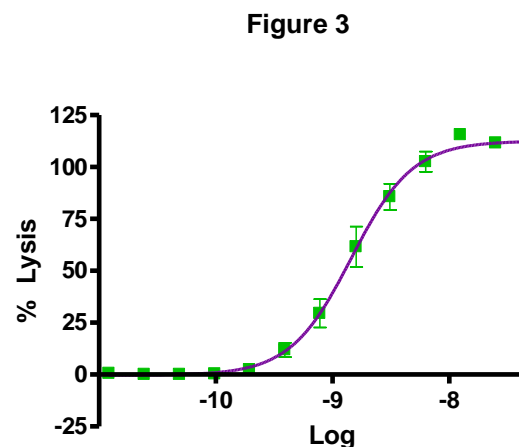
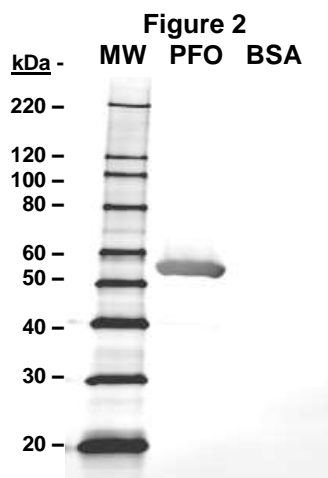
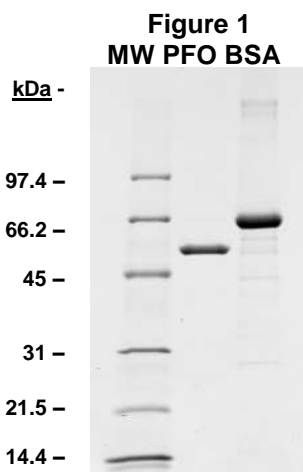
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Product Description: NR-10357 is a recombinant form of perfringolysin O from *C. perfringens*. The recombinant protein was cloned from ATCC® 13124™ and contains an N-terminal histidine tag. NR-10357 was expressed in *Escherichia coli* and purified using standard chromatographic methods.

Lot: 58338393

Manufacturing Date: 06JAN2009

TEST	SPECIFICATIONS	RESULTS
Appearance	Clear and colorless	Clear and colorless
SDS-PAGE (Coomassie blue stain)	Dominant band at ~ 55 kDa Report results	Dominant band at ~ 55 kDa Purity > 95% (Figure 1)
Identification by Mass Spectrometry of Trypsin-Digested Protein	> 50% of total residues accounted for in peptides of expected mass	56% of total residues accounted for in peptides of expected mass
Protein Concentration by UV Spectroscopy	Report results	0.5 mg per mL
Filtration	Report results	0.22 µm filtered
Western Blot Using Monoclonal Antibody to Histidine Tag NR-10357 BSA control	Reactive (~ 55 kDa band) Non-reactive	Reactive (~ 55 kDa band) (Figure 2) Non-reactive (Figure 2)
Cytolytic Assay using Sheep Red Blood Cells	Report results	CD ₅₀ = 1.5 ng per mL (Figure 3)



Date: 24 MAR 2010**Signature:** Signature on File**Title:** Technical Manager, BEI Authentication or designee

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