

Recombinant *Bacillus thuringiensis* Cry1ac Protein, His-tagged

Cat. No. Cry1ac-338B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Bacillus Cry1ac (AAU87037.1) (Met1-Glu1178) was expressed with a polyhistidine tag at the N-terminus.
Species	<i>Bacillus thuringiensis</i>
Source	E.coli
ProteinLength	Met1-Glu1178
Predicted N Terminal	Met
Form	Lyophilized from sterile 50 mM Na ₂ CO ₃ , 10 mM DTT, pH 9.5. Normally 5 %- 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant bacillus Cry1ac consists of 1189 amino acids and predicts a molecular mass of 134.9 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> (81.2±6.2) % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -70 centigrade. Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended

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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°C before opening to recover the entire contents.

GENE INFORMATION**Official Symbol**

Cry1ac

Synonyms

Cry1ac; Cry1ac Protein; Bacillus thuringiensis

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