

Recombinant *Bacillus thuringiensis* Cry1F-1 Protein



Cat. No. Cry1F-1-07B

Lot. No. (See product label)

Product Name

Recombinant *Bacillus thuringiensis* Cry1F-1 Protein

Product Overview

Cry1F-1 is a parasporal crystal or insecticidal crystal protein or delta endotoxin produced by Bt, which has insecticidal activity against a variety of pests. Cry1F-1 protoxin is activated by the intestinal juice of the target pest to obtain an activated toxin fragment, which binds to the midgut epithelial cells of the pest to form holes, leading to intestinal paralysis and eventually death due to sepsis.

Form

Liquid

Molecular Mass

68 kDa

Purity

85%

Synonyms

Cry1F-1

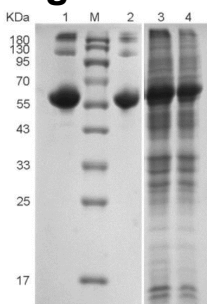
Source

Escherichia coli

Species

Bacillus thuringiensis

Figure



AA Sequence

MENNIQNQCVPYNCNPEVEILNEERSTGRLPLDISLSLTRFLLSEFVPGVGVAFGFLDLIWGFITPSDWSLFLQL
EQLEQRIETLERNRAITTLRGLADSYEIIYIEALREWEANPNNAQLREDVRIRFANTDDALITAINNFTLTSFEIPLLSV
YVQAAANLHLSLLRDAVSFGQGWLDIATVNNHYNRLINLIHRYTKHCLDTYNQGLENLRGNTNRQWARFNQFRRD
LTLTVLDIVLFPNYDVRTYPIQTSSQLTREIYTSSVIEDSPVSANIPNGFNRAEFGVRPPHLMDFMNSLFVTAETVR
SQTWVGGLVSSRNATAGNRINFPSYGVFNPGGAIWADEDPRPFYRTLSDPVFVRGGFGNPHYVLGLRGVAFQQ
TGTNHTRTRFRNSGTIDSLDEIPPQDNSGAPWNDYSHVLNHVTFVRWPGEISGSDSWRAPMFSWTHRSATPTNTI
DPERITQIPLVKAHTLQSGTTVVRGPGFTGGDILRRTSGGPFAYTIVNINGQLPQRYRARIRYASTTNLRIYVTVAGE
RIFAGQFNKTMDDTGDPLTFQSFSYATINTAFTFPMSQSSFTVGADTFSSGNEVYIDRFELIPVTATFE

Amino Acids

605 aa

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Lot. No. (See product label)

Buffer Composition

PBS

Official Symbol

Cry1F-1

Storage

Ship at 4°C. Store at -20°C. Avoid freeze-thaw cycles.

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