

Recombinant *Bacillus thuringiensis* Vip3Aa7 Protein



Cat. No. Vip3Aa7-12B

Lot. No. (See product label)

Product Name

Recombinant *Bacillus thuringiensis* Vip3Aa7 Protein

Product Overview

Vip3Aa7 is a non-crystalline protein produced by Bt in vegetative stage and secreted to extracellular, which has insecticidal activity against various pests. The Vip3Aa7 prototoxin 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

89.6 kDa

Purity

95%

Synonyms

Vip3Aa7

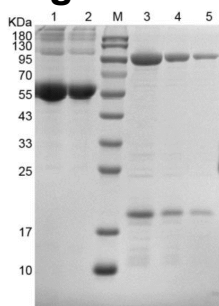
Source

Escherichia coli

Species

Bacillus thuringiensis

Figure



AA Sequence

MLKRKMNMKNNTKLSTRALPSFIDYFNGIYGFATGIKDIMNMIFKTDGDLTLDEILKNQQLNDISGKLDGVNG
SLNDLIAQGNLNTLSKEILKIANEQNQLNDVNNKLD AINTMLRVYLPKITSMLSDVMKQNYALSLQIEYLSKQLQE
ISDKLDIINVNLINSTLTEITPAYQRIKYVNEKFEELTFATETSSKVKKDGSPADILDELTELAKSVTKNDVDGFE
FYLNTHFDVMVGNNLFGRSALKTASELITKENVKTSGSEVGNVYNFLIVLTALQAKAFLTLTTCRLLGLADIDYTSI
MNEHLNKEKEEFRVNILPTLSNTFSNPYAKVKGSDEDAKMIVEAKPGHALIGFEISNDSITVLKVYEAKLKQNYQV
DKDSLSEVIYGDMDKLLCPDQSEQIYYTNNIVFPNEYVITKIDFTKKMKTLYEVTANFYDSSTGEIDLNKKKVESSE
AEYRTLSANDDGVMPLGVISEFTLTPINGFGLQADENSRLITLTCKSYLRELLLATDLSNKETKLIVPPSGFISNIVE
NGSIEEDNLEPWKANNKNAYVDHTGGVNGTKALYVHKDGGISQFIGDKLKPKTEYVIQYTVKGKPSIHLKIDENTGY
IHYEDTNNNLEDYQTINKRFTTGTDLKG VYLILKSQNGDEAWGDNFIILEISPSEKLLSPELINTNNWTSTGSTNISG
NTLTLYQGGRGILKQNLQLDSFSTYRVYFSVSGDANVRIRNSREVLFEKRYMSGAKDVSEMFTTKFE
KDNFYIELSQGNNLYGGPIVHFYDVSIK

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Lot. No. (See product label)

Amino Acids

796 aa

Buffer Composition

PBS

Official Symbol

Vip3Aa7

Storage

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

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