

Recombinant *Bacillus thuringiensis* Cry1Da2 Protein



Cat. No. *Cry1Da2-13B*

Lot. No. (See product label)

Product Name

Recombinant *Bacillus thuringiensis* Cry1Da2 Protein

Product Overview

Cry1Da2 is a parasporal crystal or insecticidal crystal protein or delta endotoxin produced by Bt, which has insecticidal activity against a variety of pests. The Cry1Da2 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

132.5 kDa

Purity

80%

Synonyms

Cry1Da2

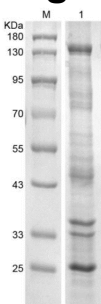
Source

Escherichia coli

Species

Bacillus thuringiensis

Figure



AA Sequence

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MEINNQNQCVPYNCLSNPKEIILGEERLETGNTVADISLGLINFLYSNFVPGGGFIVGLLELIWGFIPGSQWDIFLAQI
EQLISQRIEEFARNQAISRLEGLSNLYKVYVRAFSDWEKDPTNPALREEMRIQFNDMNSALITAIPLFRVQNYEVAL
LSVYVQAANLHLSILRDVSVFGERWGYDTATINNRYSDLTSLIHVYTNHCVDYTNQGLRRLRLEGRFLSDWIVYNRFR
RQLTISVLDIVAFFPNYDIRTYPIQTATQLTREVYLDLPFINENLSPAASYPTFSAAESAIIRSPHLVDFLNSFTIYTDSL
ARYAYWGGHLVNSFRTGTTTTLIRSPLYGREGNTERPVTITASPSVPIFRTLSTYITGLDNSNPVAGIEGVEFQNTIS
RSIYRKSGPIDSFSELPPQDASVSPAIGYSHRLCHATFLERISGPRIAGTVFSWTHRSASPTNEVSPSRITQIPWVK
AHTLASGASVIKGPFGFTGGDILTRNSMGELGTLRVFTTGRLPQSYIIRFRYASVANRSGTFRYSQPPSYGISFPKT
MDAGEPLTSRSFAHTTLFTPIFSAQEEFDLYIQSGVYIDRIEFIPVTATFEAEYDLERAQKVVNALFTSTNQLGLK
TDVTDYHIDQVSNLVACLSDEFCLDEKRELSEKVKHAKRLSDERNLLQDPNFRGINRQPDRGWRGSTDITIQGGD
DVFKENYVTLPGTFDECYPTYLYQKIDESKLYKAYTRYQLRGYIEDSQDLEIYLIRYNAKHEIVNVPGTGSLWPLSVE
NQIGPCGEPNRCAPHLEWNPDLHCSCRDGEKCAHSHHFSLDIDVGCITDLNEDLGWVWIFKIKTQDGHARLGNL
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FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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EFLEEKPLLGEALARVKRAEKKWRDKRETLQLETTIVYKEAKESVDALFVNSQYDRLQADTNIAMIIHAADKRVHRIR
EAYLPELSVIPGVNAAIFFEELEERIFTAFSLYDARNIIKNGDFNGLLCWNVKKGHVEVEEQNNHRSVLVIPEWEAEV
SQEVRVCPGRGYILRVTAAYKEGYGEGCVTIHEIENNTDELKFNNCVEEEVYPNNTVTCINYTATQEEYEGTYTSRN
RGYDEAYGNNPSVPADYASVYEEKSYTDRRRENPCESNRGYGDYTPLPAGYVTKELEYFPETDKVWIEIGETEG
TFIVDSVELLLMEE

Amino Acids

1165 aa

Buffer Composition

PBS

Official Symbol

Cry1Da2

Storage

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

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