

Recombinant *Bacillus thuringiensis* Cry1Ab Protein

Cat. No. Cry1Ab-07B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length <i>Bacillus thuringiensis</i> Cry1Ab Protein (818 aa) without tag was expressed in <i>E. coli</i> (pET-28a).
Species	<i>Bacillus thuringiensis</i>
Source	<i>E. coli</i>
Protein Length	818
Description	Promotes colloid osmotic lysis by binding to the midgut epithelial cells of lepidopteran (<i>Manduca sexta</i>) larvae.
Form	Liquid
Molecular Mass	92.26 kDa
AA Sequence	<p>MDNNPNINECIPYNCLSNPEVEVLGGERIETGYTPIDISLSLTQFLLSEFVPGAGFVLG LVDIIWGIFGPSQWDAFLVQIEQLINQRIEFARNQAISRLEGLSNLYQIYAESFREWE ADPTNPALREEMRIQFNDMNSALTTAIPLFAVQNYQVPLLSVYVQAANLHLSVLRDV SVFGQRWGFDAATINSRYNDLTRLIGNYTDHAVRWYNTGLERVWGPDSRDWIRYN QFRRELTTLVLDIVSLFPNYDSRTYPIRTVSQLTREIYTNPVLENFDGSFRGSAQGIEG SIRSPHLM DILNSITIYTD AHRGEYYWSGHQIMASPVGFSGPEFTFPLYGTMGNAAP QQRIVAQLGQGVYRTLSSSTLYRRPFNIGINNQQLSVLDGTEFAYGTSSNLPSAVYRK SGTVDLDEIPPQNNNPPRQGFHRLSHVSMFRSGFSNSSVSIIRAPMFSWIHRSA EFNNIIPSSQITQIPLTKSTNLGSGTSVVKGPGFTGGDILRRTSPGQISTLRVNITAPLS</p>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QRYRVRIRYASTTNLQFHTSIDGRPINQGNFSATMSSGSNLQSGSFRTVGFSTPPFNF
 SNGSSVFTLSAHVFNSGNEVYIDRIEFVPAEVTFEAEYDLERAQKAVNELFTSSNQIG
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 VGCTDLNEDFR

Purity	85%
Applications	ELISA; Biological test; Mouse stomach toxicity test
Storage	At -20 centigrade, Avoid freezing/thawing cycles.
Storage Buffer	PBS, pH 7.4
Shipping	4 centigrade.

GENE INFORMATION

Gene Name	BTHUR0008_RS31135 insecticidal delta-endotoxin Cry8Ea1 family protein [<i>Bacillus thuringiensis</i> serovar berliner ATCC 10792]
Official Symbol	cry1ab
Synonyms	BTHUR0008_RS31135; insecticidal delta-endotoxin Cry8Ea1 family protein; insecticidal delta-endotoxin Cry8Ea1 family protein; cry1Ab
Gene ID	67470639
Protein Refseq	WP_000369819

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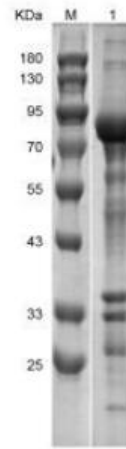
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 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID

P0A370

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