

# Recombinant *Bacillus thuringiensis* Cry2Ab Protein

**Cat. No.** Cry2Ab-08B    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length <i>Bacillus thuringiensis</i> Cry2Ab Protein (1-634) without tag was expressed in <i>E. coli</i> (pET-28a).
<b>Species</b>	<i>Bacillus thuringiensis</i>
<b>Source</b>	<i>E. coli</i>
<b>Protein Length</b>	1-634
<b>Description</b>	Promotes colloid osmotic lysis by binding to the midgut epithelial cells of lepidopteran ( <i>Manduca sexta</i> ) larvae.
<b>Form</b>	Liquid
<b>Molecular Mass</b>	70.86 kDa
<b>AA Sequence</b>	<p>MDNSVLNSGRTTICDAYNVAAHDPFSFQHKSLDTVQKEWTEWKKNNHSLYLDPVIG  TVASFLLKKVGS LVGKRILSELRLNLFPSGSTNLMQDILRETEKFLNQRLNTDTLARVN  AELTGLQANVEEFNRQVDNFLNPNRNAVPLSITSSVNTMQQLFLNRLPQFQMGGYQ  LLLLPLFAQAANLHLSFIRDVILNADEWGISAATLR TYRDYLNK NYTRDYSNYCINTYQS  AFKGLNTRLHDMLEFR TYMFLNVFEYVSIW S LFKYQSLLVSSGANLYASGSGPQQT  QSFTSQDWPFYSLFQVNSNYVLNGFSGARLSNTFPNIVGLPGSTTT HALLAARVNY  SGGISSGDIGASPFNQNFNCSTFLPPLLTPFVRSWLD SGSDREGVATVTNWQTESF  ETTLGLRSGAFTARGNSNYFPDYFIRNISGVPLVVRNEDLRRPLHYNEIRNIASPSGT  PGGARAYMVSVHNRKNNIHAVHENGSMIHLAPNDYTGFTISPIHATQVNNQTRTFIS</p>

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

EKFGNQGDSLRFEQNNTTARYTLRGNGNSYNLYLRVSSIGNSTIRVTINGRVYTATN  
VNTTTNNDGVNDNGARFSDINIGNVVASSNSDVPLDINVTLNSGTQFDLMNIMLVPT  
NISPLY

<b>Purity</b>	95%
<b>Applications</b>	ELISA; Biological test; Mouse stomach toxicity test
<b>Storage</b>	At -20 centigrade, Avoid freezing/thawing cycles.
<b>Storage Buffer</b>	PBS, pH 7.4
<b>Shipping</b>	4 centigrade.

## GENE INFORMATION

<b>Official Symbol</b>	cry2Ab
<b>Synonyms</b>	cry2Ab; Pesticidal crystal protein Cry2Ab; 71 kDa crystal protein; Crystalline entomocidal protoxin; Insecticidal delta-endotoxin CryIIA(b); cryB2
<b>UniProt ID</b>	<a href="#">P21254</a>
<b>WB</b>	

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