

Recombinant *Bacillus thuringiensis* Cry2Ab Protein

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

SPECIFICATION

Product Overview	Recombinant full length <i>Bacillus thuringiensis</i> Cry2Ab Protein (1-634) without tag was expressed in <i>E. coli</i> (pET-28a).
Species	<i>Bacillus thuringiensis</i>
Source	<i>E. coli</i>
Protein Length	1-634
Description	Promotes colloid osmotic lysis by binding to the midgut epithelial cells of lepidopteran (<i>Manduca sexta</i>) larvae.
Form	Liquid
Molecular Mass	70.86 kDa
AA Sequence	MDNSVLNSGRTTICDAYNVAADHPFSFQHKSLDTVQKEWTEWKKNNHSLYLDPIVG TVASFLLKKVGSLVGKRISELRLNIFPSGSTNLMQDILRETEKFLNQRLNTDTLARVN AELTGLQANVEEFNRQVDNFLNPNRNAVPLSITSSVNTMQQLFLNRLPQFQMGGYQ LLLLPLFAQAANLHLSFIRDVILNADEWGISAATLRTYRDYLNKYTRDYSNYCINTYQS AFKGLNTRLHDMLEFRTYMFLNVFEYVSIWSLKFYQSLLVSSGANLYASGSGPQQT QSFTSQDWPFYSLFQVNSNYVLNGFSGARLSNTFPNIVGLPGSTTTTHALLAARVNY SGGISSGDIGASPFNQNFNCSTFLPPLTPFVRSWLDGSDREGVATVTNWQTESF ETTLGLRSGAFTARGNSNYFPDYFIRNISGVPLVVRNEDLRRPLHYNEIRNIASPSGT PGGARAYMVSVHNRKNNIHAVHENGSMIHLAPNDYTGFTISPIHATQVNNQTRTFIS

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EKFGNQGDSLRFEQNNTTARYTLRGNGNSYNLYLRVSSIGNSTIRVTINGRVYTATN
VNTTTNNDGVNDNGARFSDINIGNVVASSNSDVPLDINVTLNSGTQFDLMNIMLVPT
NISPLY

Purity	95%
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

Official Symbol	cry2Ab
Synonyms	cry2Ab; Pesticidal crystal protein Cry2Ab; 71 kDa crystal protein; Crystalline entomocidal protoxin; Insecticidal delta-endotoxin CryIIA(b); cryB2
UniProt ID	P21254
WB	