

# Recombinant *Bacillus thuringiensis* cry2Ab Protein, His-tagged

**Cat. No.** cry2Ab-01B    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant <i>Bacillus thuringiensis</i> subsp. <i>Kurstaki</i> Pesticidal crystal protein cry2Ab (1-633aa) with N-terminal 6xHis tag was expressed in <i>E. coli</i> .
<b>Species</b>	<i>Bacillus thuringiensis</i>
<b>Source</b>	<i>E. coli</i>
<b>ProteinLength</b>	1-633 a.a.
<b>Description</b>	Promotes colloid osmotic lysis by binding to the midgut epithelial cells of lepidopteran ( <i>Manduca sexta</i> ) larvae.
<b>Molecular Mass</b>	74.7 kDa
<b>AA Sequence</b>	<p>MNSVLNSGRTTICDAYNVAAHDPFSFQHKSLDTVQKEWTEWKKNNHSLYLDPIVGT  VASFLLKKVGSVLGKRILSELRNLIFFPSGSTNLMQDILRETEKFLNQRLNTDTLARVNA  ELTGLQANVEEFNRQVDNFLNPNRNAVPLSITSSVNTMQQLFLNRLPQFQMGGYQL  LLLPLFAQAANLHLSFIRDVILNADEWGISAATLRTYRDYLNKYNTRDYSNYCINTYQSA  FKGLNTRLHDMLEFRTYMFLNVFEYVSIWLSLFKYQSLLVSSGANLYASGSGPQQTQ  SFTSQDWPFLYSLFQVNSNYVLNGFSGARLSNTFPNIVGLPGSTTTHALLAARVNYS  GGISSGDIGASPFNQNFNCSTFLPPLLTPFVRSWLDGSDREGVATVTNWQTESFE  TTLGLRSGAFTARGNSNYFPDYFIRNISGVPLVVRNEDLRRPLHYNEIRNIASPSGTP  GGARAYMVSVHNRKNNIHAVHENGSMIHLAPNDYTGFTISPIHATQVNNQTRTFISE  KFGNQGDLSLRFEQNNTTARYTLRGNGNSYNLYLRVSSIGNSTIRVTINGRVYTATNV</p>

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NTTTNNDGVNDNGARFSDINIGNVVASSNSDVPLDINVTLNSGTQFDLMNIMLVPTNISPLY

**Purity** >90% as determined by SDS-PAGE.

**Storage** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade, -80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade, -80 centigrade.

Notes: Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

**Storage Buffer** Tris-based buffer 50% glycerol

## 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](#)

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