

Recombinant *Bacillus Thuringiensis* Subsp. *Tenebrionis* CRY3AA Protein (58-644 aa), His-tagged

Cat. No. CRY3AA-1612B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Bacillus Thuringiensis</i> Subsp. <i>Tenebrionis</i> CRY3AA Protein (58-644 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	<i>Bacillus thuringiensis</i>
Source	Yeast
ProteinLength	58-644 aa
Description	Promotes colloid osmotic lysis by binding to the midgut epithelial cells of Coleoptera.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	68.5 kDa
AA Sequence	DSSTTKDVIQKGISVVGDLLGVVGFPGGALVSFYTNFLNTIWPSDPWKAFMEQVE ALMDQKIADYAKNKALAEQLQLQNNVEDYVSALSSWQKNPVSSRNPHSQGRIRELF SQAESHFRNSMPSFAISGYEVLFLTTYAQAANTHLFLLKDAQIYGEEWGYEKEDIAEF YKRQLKLTQEYTDHCVKWNVGLDKLRGSSYESWVNFNRYRREMTLTVLDLIALFP LYDVRLYPKEVKTELTRDVLTDPIVGVNNLRGYGTTFSNIENYIRKPHLFDYLRHQFH TRFQPGYYGNDSFNYWSGNYVSTRPSIGSNDIITSPFYGNKSSEPQVQNLEFNGEKV YRAVANTNLAVWPSAVYSGVTKVEFSQYNDQTDEASTQTYDSKRNVGAVSWDSID QLPPETTDEPLEKGYSHQLNHYVMCFLMQGSRGTIPVLTWTHKSVDFNMMIDSKKITQ

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LPLVKAYKLQSGASVVAGPRFTGGDIIQCTENGSAATIIYVTPDVSYSQKYRARIHYAS
TSQITFTLSLDGAPFNQYYFDKTINKGDTLTYNNSFNLASFSTPFELSGNNLQIGVTGLS
AGDKVYIDKIEFIPVN

Purity > 90% as determined by SDS-PAGE.

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

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.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

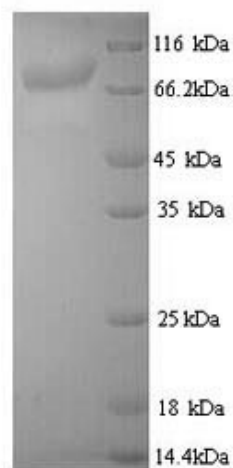
Synonyms cry3Aa; 73 kDa crystal protein; Crystalline entomocidal protoxinInsecticidal delta-endotoxin CryIIIA(a);

UniProt ID [P0A379](#)

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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