

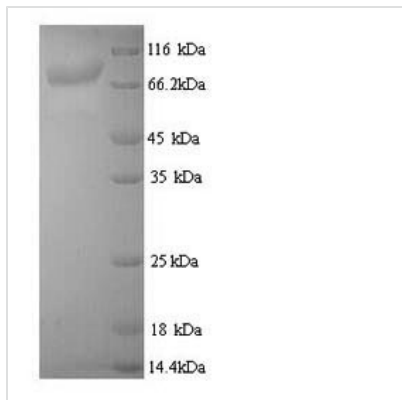


Recombinant *Bacillus thuringiensis* subsp. Pesticidal crystal protein cry3Aa (cry3Aa)

Product Code	CSB-YP358337BDG
Relevance	Promotes colloidosmotic lysis by binding to the midgut epithelial cells of Coleoptera.
Abbreviation	Recombinant <i>Bacillus thuringiensis</i> subsp. tenebrionis cry3Aa protein
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P0A379
Alias	73 kDa crystal protein;Crystalline entomocidal protoxinInsecticidal delta-endotoxin CryIIIA(a)
Product Type	Recombinant Protein
Immunogen Species	<i>Bacillus thuringiensis</i> subsp. tenebrionis
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	DSSTTKDVIQKGISVVGDLLGVVGFPFGGALVSFYTNFLNTIWPSDPWKAFM EQVEALMDQKIADYAKNKALAEQLQNNVEDYVSALSSWQKNPVSSRNPHS QGRIRELFSSQAESHFRNSMPSFAISGYEVLFLTYYAQAANTHLFLLKDAQIYGE EWGYEKEDIAEFYKRQLKLTQEYTDHCVKWYNVGLDKLRGSSYESWVNFNR YRREMTLTVLDLIALFPLYDVRLYPKEVKTELTRDVLTDPIGVNNLRGYGTTF NIENYIRKPHLFDYLRHQFHTRFQPGYYGNDNFYWSGNYVSTRPSIGSNDIIT SPFYGNKSSEPVQNLEFNGEKVYRAVANTNLAVWPSAVYSGVTKEFSQYND QTDEASTQTYDSKRNVGAVSWDSIDQLPPETTDEPLEKGYSHQLNYVMCFLM QGSRG TIPVLTWTHKSVDFFNMIDSKKITQLPLVKAYKLQSGASVAGPRFTG GDIIQCTENGSAATYVTPDVSYSQKYRARIHYASTSQITFTLSLDGAPFNQYYF DKTINKGDTLTYNFSNLASFSTPFELSGNNLQIGVTGLSAGDKVYIDKIEFIPVN
Research Area	Others
Source	Yeast
Target Names	cry3Aa
Protein Names	Recommended name: Pesticidal crystal protein cry3Aa Alternative name(s): 73 kDa crystal protein Crystalline entomocidal protoxin Insecticidal delta-endotoxin CryIIIA(a)
Expression Region	58-644aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	68.5kDa


Protein Length

Full Length of Mature Protein

Image


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

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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