

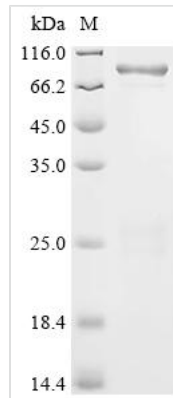


Recombinant *Bacillus thuringiensis* subsp. *tenebrionis* Pesticidal crystal protein Cry3Aa (cry3Aa)

Product Code	CSB-EP358337BDGa2
Abbreviation	Recombinant <i>Bacillus thuringiensis</i> subsp. <i>tenebrionis</i> 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
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant <i>Bacillus thuringiensis</i> subsp. <i>tenebrionis</i> Pesticidal crystal protein Cry3Aa (cry3Aa)
Immunogen Species	<i>Bacillus thuringiensis</i> subsp. <i>tenebrionis</i>
Sensitivity	Not Test
Purity	≥ 85% as determined by SDS-PAGE.
Sequence	DSSTTKDVIQKGISVVGDLLGVVGFPFGGALVSFYTNFLNTIWPSDPWKAFM EQVEALMDQKIADYAKNKALAEQLQNNVEDYVSALSSWQKNPVSSRNPHS QGRIRELFSSQAESHFRNSMPSPFAISGYEVLFLTYYAQAANTHLFLLKDAQIYGE EWGYEKEDIAEFYKRQLKLTQEYTDHCVKWYNVGLDKLRGSSYESWVNFNR YRREMTLTVLDLIALFPLYDVRLYPKEVKTELTRDVLTDPIGVNNLRGYGTTFS NIENYIRKPHLFDYLDHRIQFHTRFQPGYYGNDSFNYWSGNVYVSTRPSIGSNDIIT SPFYGNKSSEPVQNLEFNGEKVYRAVANTNLAVWPSAVYSGVTKVEFSQYND QTDEASTQTYDSKRNVGAVSWDSIDQLPPETTDEPLEKGYSHQLNYVMCFLM QGSRGITPVLTWTHKSVDFNMDSSKITQLPLVKAYKLQSGASVVAGPRFTG GDIIQCTENGSAATYVTPDVSYSQKYRARIHYASTSQITFTLSLDGAPFNQYYF DKTINKGDTLTYNFNLASFSTPFELSGNNLQIGVTGLSAGDKVYIDKIEFIPVN
Research Area	Others
Source	E.coli
Target Names	cry3Aa
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-SUMO-tagged



Mol. Weight	84.7 kDa
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.
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Shelf Life	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.
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