

## Cry1Ab Protein, Bacillus thuringiensis subsp., Recombinant (His & SUMO)

### General Information

Synonyms:	Insecticidal delta-endotoxin CryIA(b);cry-1-2;Crystalline entomocidal protoxin;cry1A(b);130 kDa crystal protein;cryIA(b);bt2;cry1Ab;cryIC1;Pesticidal crystal protein Cry1Ab
Protein Construction:	1022-1155 aa
Species:	Bacillus thuringiensis subsp. kurstaki
Expression Host:	E. coli
Accession:	P0A370
Molecular Weight:	31.3 kDa (predicted)
AA Sequence:	HEIENNTDELKFSNCVVEEVYPNNTVTCNDYTATQEEYEGTYTSRNRGYDGAYESNSSVPADYASAYEEKAYT DGRRDNPCESNRGYGDYTPLPAGYVTKLEYFPETDKVWIEIGETEGTFIVDSVELLLMEE

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Promotes colloid osmotic lysis by binding to the midgut epithelial cells of many lepidopteran larvae.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481