

Recombinant Bacillus Thuringiensis Subsp. Kurstaki CRY1AC Protein (972-1178 aa), His-tagged

Cat. No. CRY1AC-1610B **Lot. No.** (See product label)

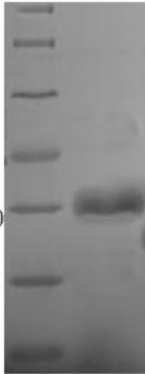
SPECIFICATION

Product Overview	Recombinant Bacillus Thuringiensis Subsp. Kurstaki CRY1AC Protein (972-1178 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Species	Bacillus thuringiensis
Source	Yeast
ProteinLength	972-1178 aa
Description	Promotes colloidosmotic lysis by binding to the midgut epithelial cells of many lepidopteran larvae.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	25.8 kDa
AA Sequence	LYDARNVIKNGDFNNGLSWNVKGHVDVEEQNNQRSVLVPEWEAEVSQEVRVCP GRGYILRVTAKEGYGEGCVTIHEIENNTDELKFSNCVEEEIYPNNTVTCNDYTVNQE EYGGAYTSRNRGYNEAPSPADYASVYEEKSYTDGRRENPCFENRGYRDYTPLPV GYVTKELEYFPETDKVWIEIGETEGTFIVDSVELLMEE
Purity	> 90% as determined by SDS-PAGE.

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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	cry1Ac; 133 kDa crystal protein; Crystalline entomocidal protoxinInsecticidal delta-endotoxin CryIA(c);
UniProt ID	P05068
 (Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and	

15% separation gel.

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