

Recombinant *Bacillus thuringiensis* subsp. *kurstaki* Pesticidal crystal protein cry1Ab(cry1Ab),partial

Catalog No: #AP71170

Package Size: #AP71170-1 20ug #AP71170-2 100ug #AP71170-3 1mg

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Description

Product Name	Recombinant <i>Bacillus thuringiensis</i> subsp. <i>kurstaki</i> Pesticidal crystal protein cry1Ab(cry1Ab),partial
Host Species	<i>E.coli</i>
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1022-1155aaSequence Info:Partial
Other Names	130KDA crystal protein;Crystalline entomocidal protoxinInsecticidal delta-endotoxin CryIA(b)
Accession No.	P0A370
Calculated MW	31.3 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	HEIENNTDELKFSNCVVEEVYPNNTVTCNDYTATQEEYEGTYTSRNRGYDGAYESNSSVPADYASAYEEKAY TDGRRDNPCESNRGYGDYTPLPAGYVTKELEYFPETDKVWIEIGETEGTFIVDSVELLLMEE
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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

References

Characterization of *Bacillus thuringiensis* subsp. *kurstaki* strain S93 effective against the Fall armyworm, *Spodoptera frugiperda* and cloning of a cry1Ab gene.Silva-Werneck J.O., De-Souza M.T., Dias J.M.C.S., Ribeiro B.M.Can. J. Microbiol. 45:464-471(1999)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.