

Recombinant *Bacillus thuringiensis* subsp. *Kurstaki* Pesticidal crystal protein cry2Ab(cry2Ab)

Catalog No: #AP71021

Package Size: #AP71021-1 20ug #AP71021-2 100ug #AP71021-3 1mg

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Description

Product Name	Recombinant <i>Bacillus thuringiensis</i> subsp. <i>Kurstaki</i> Pesticidal crystal protein cry2Ab(cry2Ab)
Host Species	<i>E. coli</i>
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-633aaSequence Info:Full Length
Other Names	71KDA crystal protein;Crystalline entomocidal protoxinInsecticidal delta-endotoxin CryIIA(b)
Accession No.	P21254
Calculated MW	74.7 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MNSVLNSGRTTICDAYNVAADHPFSFQHKSLDTVQKEWTEWKKNNHSLYLDPIVGTVASFLLKKVGSVLGKRI LSELRNLIFFSGSTNLMQDILRETEKFLNQRLNTDTLARVNAELTGLQANVEEFNRQVDNFLNPNRNAVPLSIT SSVNTMQQLFLNRLPQFQMGGYQLLLLPLFAQAANLHLSFIRDVILNADEWGISAATLRTYRDYLNKYTRDYSN YCINTYQSAFKGLNTRLHDMLEFRTYMFLNVFEYVSIWSLKFYQSLLVSSGANLYASGSGPQQTQSFTSQDW PFLYSLFQVNSNYVLNGFSGARLSNTFPNIVGLPGSTTHALLAARVNYSGGISSGDIGASPFNQNFNCSTFLP PLLTPFVRSWLDGSDREGVATVTNWQTESFETTLGLRSGAFTARGNSNYFPDYFIRNISGVPLVVRNEDLRR PLHYNEIRNIASPGTPGGARAYMVSVHNKNNIHAVHENGSMIHLAPNDYTGTISPIHATQVNNQTRTFISEK FGNQGDLSLRFEQNNNTARYTLRGNGNSYNLYLRVSSIGNSTIRVINGRVYTATNVNTTTNNDGVNDNGARFS DINIGNVASSNSDVPLDINVTLNSGTQFDLMNIMLVPTNISPLY
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 lepidopteran (*Manduca sexta*) larvae.

References

Two highly related insecticidal crystal proteins of *Bacillus thuringiensis* subsp. *kurstaki* possess different host range specificities.Widner W.R., Whiteley H.R.J. Bacteriol. 171:965-974(1989)Research Topic:Others

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