

Pesticidal crystal protein Cry1Ab (cry1Ab) Recombinant Protein | Cry1Ab recombinant protein

Recombinant *Bacillus thuringiensis* subsp. *kurstaki* Pesticidal crystal protein Cry1Ab (cry1Ab), partial

CATALOG # AAA18621	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
------------------------------	---

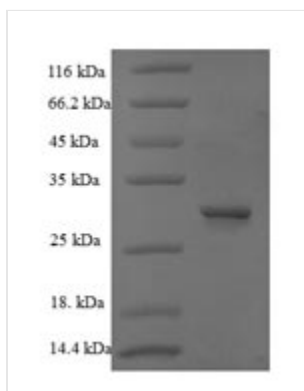
PRODUCT SYNONYMS

Pesticidal crystal protein Cry1Ab (cry1Ab); Recombinant *Bacillus thuringiensis* subsp. *kurstaki* Pesticidal crystal protein Cry1Ab (cry1Ab); partial; 130 kDa crystal protein; Crystalline entomocidal protoxinInsecticidal delta-endotoxin CryIA(b); Cry1Ab recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1022-1155aa; partial
Sequence	HEIENNTDEL KFSNCVEEEV YPNNTVTCND YTATQEEYEG TYTSRNRGYD GAYESNSSVP ADYASAYEEK AYTDGRRDNP CESNRGYGDY TPLPAGYVTK ELEYFPETDK VWIEIGETEG TFIVDSVELL LMEE
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Cry1Ab recombinant protein	Promotes colloidsmotic lysis by binding to the midgut epithelial cells of many lepidopteran larvae.
--	---

References	The hypervariable region in the genes coding for entomopathogenic crystal proteins of <i>Bacillus thuringiensis</i> nucleotide sequence of the kurhd1 gene of subsp. kurstaki HD1.Geiser M., Schweitzer S., Grimm C.Gene 48:109-118(1986) Structural similarity between the lepidoptera- and diptera-specific insecticidal endotoxin genes of <i>Bacillus thuringiensis</i> subsp. 'kurstaki' and 'israelensis'.Thorne L., Garduno F., Thompson T., Decker D., Zounes M., Wild M., Walfield A.M., Pollock T.J.J. Bacteriol. 166:801-811(1986) Cloning and nucleotide sequencing of two insecticidal delta-endotoxin genes from <i>Bacillus thuringiensis</i> var. kurstaki HD-1 DNA.Kondo S., Tamura N., Kunitate A., Hattori M., Akashi A., Ohmori I.Agric. Biol. Chem. 51:455-463(1987) Insect tolerant transgenic tomato plants.Fischhoff D.A., Bowdish K.S., Perlak F.J., Marrone P.G., McCormick S.M., Niedermeyer J.G., Dean D.A., Kusano-Kretzmer K., Mayer E.J., Rochester D.E., Rogers S.G., Fraley R.T.Biotechnology (N.Y.) 5:807-813(1987) Sequence of a lepidopteran toxin gene of <i>Bacillus thuringiensis</i> subsp kurstaki NRD-12.Hefford M.A., Brousseau R., Prefontaine G., Hanna Z., Condie J.A., Lau P.C.K.J. Biotechnol. 6:307-322(1987) Characterization of <i>Bacillus thuringiensis</i> subsp. kurstaki strain S93 effective against the Fall armyworm, <i>Spodoptera frugiperda</i> 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)
------------	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	446291964
UniProt Accession #	P0A370; P06577; P06578; P09663; P09666; P09667; P21257; Q45789
Molecular Weight	17.3 kDa
UniProt Protein Name	Pesticidal crystal protein Cry1Ab
UniProt Gene Name	cry1Ab
UniProt Synonym Gene Names	bt2; cry-1-2; cry1A(b); cryIA(b); cryIC1
UniProt Entry Name	CR1AB_BACTK

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.