

# Recombinant *Bacillus thuringiensis* subsp. *Kurstaki* cry1Ia protein, His-KSI-tagged

**Cat. No.** cry1Ia-08B    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant <i>Bacillus thuringiensis</i> subsp. <i>Kurstaki</i> cry1Ia protein(97-180aa)(Q45752), fused to N-terminal His tag and KSI tag, was expressed in <i>E. coli</i> .                                                      |
| <b>Species</b>          | <i>Bacillus thuringiensis</i>                                                                                                                                                                                                      |
| <b>Source</b>           | <i>E. coli</i>                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 97-180aa                                                                                                                                                                                                                           |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. |
| <b>Molecular Mass</b>   | 24.9 kDa                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | GKNQWEIFMEHVVEEIIINQKISTYARNKALTDLKGLGDALAVYHDSLESWVGNNRNT<br>ARSVVKSQYIALELMFVQKLPSFAVSG                                                                                                                                          |
| <b>Purity</b>           | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                        |
| <b>Storage</b>          | Store at -20°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                           |
| <b>Reconstitution</b>   | Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0                                                                                                                                               |

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mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.

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