

# Recombinant *Bacillus* sp. *aiiA* Protein (Met1-Ile250), N-His tagged

**Cat. No.** aiiA-0698B    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant <i>Bacillus</i> sp. <i>aiiA</i> (Met1-Ile250) fused with the N-terminal His tag was expressed in <i>E. coli</i> .                                                                                                                                    |
| <b>Species</b>          | <i>Bacillus</i> sp.                                                                                                                                                                                                                                              |
| <b>Source</b>           | <i>E. coli</i>                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | Met1-Ile250                                                                                                                                                                                                                                                      |
| <b>Description</b>      | Hydrolyzes acyl homoserine lactones with varying lengths of acyl chains, with a slight preference for substrates without 3-oxo substitution at the C3 position. Has only residual activity towards non-acyl lactones, and no activity towards non-cyclic esters. |
| <b>Form</b>             | Lyophilized powder/frozen liquid                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | 28.5 kDa                                                                                                                                                                                                                                                         |
| <b>Purity</b>           | >90% as determined by SDS-PAGE.                                                                                                                                                                                                                                  |
| <b>Notes</b>            | For research use only.                                                                                                                                                                                                                                           |
| <b>Storage</b>          | Use a manual defrost freezer and avoid repeated freeze thaw cycles.<br>Store at 2 to 8 centigrade for one week.<br>Store at -20 to -80 centigrade for twelve months from the date of receipt.                                                                    |

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**Storage Buffer** Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.

**Reconstitution** Reconstitute in sterile water for a stock solution.

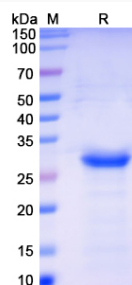
**Shipping** They are shipped out with dry ice/blue ice unless customers require otherwise.

## GENE INFORMATION

**Official Symbol** aiiA

**Synonyms** EC:3.1.1.81; aiiA; N-acyl homoserine lactonase; AHL-lactonase; Acyl-homoserine lactonase; Acyl-homoserine lactonase

## SDS-PAGE



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