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Inactivation of Blasticidin S by *Bacillus cereus*. III. Cloning and Expression of a New Structural Gene for Blasticidin S Deaminase, a Nucleoside Aminohydrolase.

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Bacillus cereus K55-S1, a strain resistant to blasticidin S (BS), produces an inactivating enzyme, BS-deaminase.

A structural gene, *bsr*, of the enzyme was isolated from this strain and introduced into *B. subtilis* and *Escherichia coli*. In both cells, *bsr* was expressed to give a resistant phenotype against BS, and BS-resistant activity was detected. The structure and property of the gene were partly analyzed.

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