

Production of gamma-aminobutyrate (GABA) in recombinant *Corynebacterium glutamicum* strains

박시재[†], 주정찬¹, 김희택¹, 마리투고 케이엔
이화여자대학교; ¹한국화학연구원
(parksj93@ewha.ac.kr[†])

Gamma-aminobutyrate (GABA) is a non-protein amino acid that can be used in food and pharmaceutical industry. Moreover, recently, application of GABA as a building block chemical is extensively investigated in chemical industry such as use as precursor for the synthesis of 2-pyrrolidone and monomer for the synthesis of nylon 4. Recombinant microorganisms have been constructed for the production of GABA, which include recombinant *Escherichia coli* and *Corynebacterium glutamicum*. In this presentation, we report development of recombinant *C. glutamicum* strains expressing glutamate decarboxylase mutant for the high-level production of GABA from renewable resources. Detailed results will be presented.

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