Constitutive Promoter in Dicot Plants

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ABSTRACT

Constitutive Promoter in Dicot Plants

FULL DESCRIPTION

A researcher at the University of California, Davis has obtained a DNA sequence of a promotor for high-level constitutive expression of desired proteins or RNAs in all major organs and tissues in dicot plants. Such promotor sequences that allow expression of foreign genes in plants are useful for producing genetically-engineered crop plants with superior crop yields, higher crop quality, shorter growth periods, greater insect resistance, etc., and can therefore find very broad application.

At the present time, the only other known constitutive dicot promoter has been patented by a commercial firm and thus has only limited availability. Consequently, this promotor will be of great interest to other companies seeking to create genetically-engineered dicots.

RELATED MATERIALS

- Norris S., Meyer S., Callis J., 1993. The intron of Arabidopsis thaliana polyubiquitin genes is conserved in location and is a quantitative determinant of chimeric gene expression. Plant Molecular Biology. 21 (5): 895-906. - 03/01/1993

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INVENTORS

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OTHER INFORMATION

KEYWORDS

dicot plants, dicot promoter

CATEGORIZED AS

- **Agriculture & Animal Science**
  - Plant Traits
  - Plant Varieties

RELATED CASES

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