Molecular cloning, characterisation and manipulation of the Rubber Elongation Factor gene from Hevea brasiliensis

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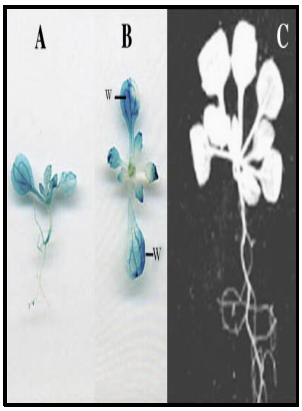

Description: -
-Molecular cloning, characterisation and manipulation of the Rubber Elongation Factor gene from Hevea brasiliensis
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Tags: #Molecular #cloning #and #characterization #of #the #rubber #elongation #factor #gene #and #its #promoter #sequence #from #rubber #tree #(Hevea #brasiliensis): #A #gene #involved #in #rubber #biosynthesis

Molecular Cloning and Characterization of Rubber Biosynthetic Genes from Taraxacum koksaghyz

Sci Hortic 120: 230-236 Kim MG, Lee KO, Cheong NE, Choi YO, Jeong JH, Cho MJ, Kim SC, Lee SY 1999 Molecular cloning and characterization of a class III chitinase in pumpkin leaves, which strongly binds to regenerated chitin affinity gel. Allergenic proteins of natural rubber latex. Hevamines were thought to possess both lysozyme and chitinase activities Rozeboom et al.

Rubber Elongation Factor (REF), a Major Allergen Component in Hevea brasiliensis Latex Has Amyloid Properties

Characterization of polypeptides accumulated in the latex cytosol of rubber trees affected by the tapping panel dryness syndrome. This revealed a typical skewed unimodal mass, with a weight average molecular mass w of 5,170 kDa ± 134 kDa and number average molecular mass n of 2,460 kDa ± 142 kDa , indicating a low level polydispersity of 2.

Enzymatic Aspects of Isoprenoid Chain Elongation

A key factor participating in natural rubber biosynthesis. For longer time periods, most induced proteins, including HMGS, REF, SRPP, ETHI, GLUR, SOD and peroxidase, decreased to some extent. Identification, characterization, and role in rubber biosynthesis.

Transcriptome analyses reveal molecular mechanism underlying tapping panel dryness of rubber tree (Hevea brasiliensis)

The DNA fragments of HRBP and REF were digested with Xho I, and Xho I- Bam HI, respectively, and cloned into the corresponding site s of pEU-E01-His-TEV-MCS-C1 CellFree Sciences resulting in pEU-C1-HRTBP and pEU-C1-REF, respectively. Proteins on RPs were solubilized by stepwise treatment with buffers containing 4 mM CHAPS lane 1 , 16 mM CHAPS lane 2 , and 7 M urea, 4 M thiourea, and 6.

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