

Title (en)
PLANT FATTY ACID HYDROXYLASE GENES

Title (de)
PFLANZLICHE, FETTSÄUREHYDROXYLASE-SPEZIFISCHE GENE

Title (fr)
GENES D'HYDROXYLASE D'ACIDE GRAS PROVENANT DE VEGETAUX

Publication
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Application
EP 98947736 A 19981006

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Abstract (en)
[origin: WO9918224A1] Several cytochrome P450-dependent fatty acid hydroxylases from different plant sources have been identified by recombinant cloning technology and characterized structurally and functionally. These clones represent novel plant hydroxylases which are active when expressed in a heterologous yeast system. These hydroxylase enzymes hydroxylate fatty acid substrates at different, well-defined positions in acid substrates of various chain lengths. The hydroxylases catalyze epoxidation of fatty acids, natural and synthetic, bearing a double bond at the site of attack.

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IPC 8 full level
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CPC (source: EP)
C12N 9/0077 (2013.01); **C12N 15/8247** (2013.01)

Citation (search report)
See references of WO 9918224A1

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