

A MUTANT OF THE GREEN ALGA DUNALIELLA SALINA ACCUMULATES ZEAXANTHIN, A HIGH-VALUE BIO-PRODUCT

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ABSTRACT

A novel mutant of of the halotolerant unicellular green alga *Dunaliella salinia* lacks a number of the beta-branch xanthophylls but accumulates zeaxanthin. Biochemical analysis suggests that zeaxanthin substitutes for the beta-branched xanthophylls in the mutant strain. This mutant may provide a biological source for the production of zeaxanthin, a high value bio-product.

Ref.: E. Jin, & et al. 2003. *Biotechnol Bioeng* 81:115-124

APPLICATIONS

Provides alga source for high value production of zeaxanthin.

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OTHER INFORMATION

KEYWORDS

fermentation

CATEGORIZED AS

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» Other

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