

Title (en)

GLUCONOBACTER SUBOXYDANS SORBITOL DEHYDROGENASE, GENES AND METHODS OF USE THEREOF

Title (de)

GLUCONOBACTER SUBOXYDANS SORBITOLDEHYDROGENASE, GENE UND VERFAHREN ZU DEREN VERWENDUNG

Title (fr)

SORBITOL DESHYDROGENASE ISSUE DE GLUCONOBACTER SUBOXYDANS, GENES ET PROCEDES D'UTILISATION DE CEUX-CI

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Application

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Abstract (en)

[origin: CA2370467A1] The invention relates to the fields of molecular biology, bacteriology and industrial fermentation. More specifically, the invention provides isolated nucleic acid molecules encoding the three subunits of a novel, membrane-bound, Gluconobacter oxydans sorbitol dehydrogenase (SDH) of the invention and vectors and host cells containing said isolated nucleic acid molecules. The invention further provides isolated polypeptides for the three subunits of the SDH enzyme of the invention, and processes for the production of L-sorbose and 2-keto-L-gulonic acid.

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