

Title (en)

EXPRESSION OF GROUP B NEISSERIA MENINGITIDIS OUTER MEMBRANE (MB3) PROTEIN FROM YEAST AND VACCINES

Title (de)

Expression eines Gruppe-B-Proteins der äusseren Membran von Neisseria meningitidis (MB3) in Hefe und Vakzine

Title (fr)

EXPRESSION DE LA PROTEINE DE LA MEMBRANE EXTERIEURE DE NEISSERIA MENINGITIDIS DU GROUPE B (MB3) A PARTIR DE LEVURES ET DE VACCINS

Publication

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Application

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Abstract (en)

[origin: WO9728273A1] The present invention relates, in general, to a method for obtaining the outer membrane protein meningococcal group B porin proteins, in particular MB3, and fusion proteins thereof. In particular, the present invention relates to a method of expressing the outer membrane protein meningococcal group B porin proteins in yeast. The invention also relates to a method of high level expression of the above-mentioned proteins wherein the rate of protein expression is enhanced by substituting a nucleotide sequence for the 5' region of the gene encoding said protein wherein the sequence has been optimized for yeast codon usage. The invention also relates to a vaccine comprising group A meningococcal polysaccharide (GAMP), group B meningococcal polysaccharide (GBMP) and group C meningococcal polysaccharide (GCMP) antigens, together with a pharmaceutically acceptable carrier. The invention also relates to a method of inducing an immune response in a mammal, comprising administering the above-mentioned vaccine to a mammal in an amount sufficient to induce an immune response.

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