

Title (en)

FH-BINDING PROTEIN OF STREPTOCOCCUS PNEUMONIAE

Title (de)

FH-BINDENDES PROTEIN AUS STREPTOCOCCUS PNEUMONIAE

Title (fr)

PROTEINE DE STREPTOCOCCUS PNEUMONIAE SE LIANT AU FACTEUR H

Publication

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Application

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Priority

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Abstract (en)

[origin: CA2416657A1] The present invention provides proteins and peptides derived from Streptococcus pneumoniae, type 3, which bind the complement factor H (fH). These proteins and peptides show a homology of at least 50 %, preferably at least 60 %, and most preferably at least 70 % with the subsequence from Thr3 8 to Lys 149 of the sequence disclosed herein as SEQ ID NO:1. The above subsequence, which is located in the amino-terminal of a surface protein isolated from Streptococcus Pneumoniae, type 3, is highly associated with binding of fH. In another aspect, the invention relates to proteins and peptides showing a homology of at least 85 %, preferably at least 95 %, and most preferably at least 99 % with the Hic protein, the amino acid sequence of which is disclosed is SEQ ID NO:1. The invention also provides vaccine compositions comprising the above proteins and peptides.

IPC 1-7

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IPC 8 full level

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IPC 8 main group level

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