

Title (en)

METHOD FOR PURIFYING THE HELICOBACTER ADHESIN-LIKE PROTEIN A (ALPA)

Title (de)

VERFAHREN ZUR REINIGUNG DES ADHESIN-LIKE PROTEINS A (ALPA) AUS HELICOBACTER

Title (fr)

PROCEDE DE PURIFICATION DE LA PROTEINE ADHESINE-LIKE A (ALPA) D'HELICOBACTER

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Application

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Abstract (en)

[origin: FR2820424A1] The invention concerns a method for purifying the *Helicobacter* adhesin-like protein A (AlpA) which consists in: (i) contacting an AlpA preparation and 2.5 to 3.5 M of guanidine with a hydrophobic interaction chromatography material, so that the AlpA is adsorbed on the material; and (ii) eluting the AlpA with a solution containing 3.5 to 4.5 M of guanidine. The AlpA preparation to be purified can be in particular derived from an *E. coli* culture capable of expressing AlpA in a high-level recombinant form, rAlpA being in the form of inclusion bodies, the latter being recovered and solubilized in the presence of guanidine, and optionally ammonium sulphate-precipitated for the purpose of preliminary purification. The hydrophobic interaction chromatography can be followed up by an anion exchange chromatography in the presence of 8 M of urea.

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