

पेटेंट कार्यालय  
शासकीय जर्नल

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पेटेंट कार्यालय का एक प्रकाशन  
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(54) Title of the invention : RECOMBINANT PROTEIN EXPRESSION METHOD FOR COST-EFFECTIVE VACCINE PRODUCTION

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## (57) Abstract :

The invention relates to a cost-effective method for recombinant protein expression aimed at large-scale vaccine production. By employing a hybrid expression system utilizing both bacterial and yeast platforms, the method significantly improves protein yield and functionality while reducing operational costs. The recombinant proteins produced using this method are capable of maintaining their immunogenic properties, essential for vaccine efficacy. This innovative approach integrates high-efficiency expression systems and streamlined purification processes, resulting in a scalable solution for affordable vaccine production. The invention is particularly advantageous for global health initiatives, where cost-effective, large-scale vaccine production is critical

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