Title (en)

A PROCESS FOR THE PRODUCTION OF HUMAN INTERFERON ALPHA FROM GENETICALLY ENGINEERED YEAST

Title (de)

VERFAHREN ZUR HERSTELLUNG VON HUMANEM INTERFERON ALPHA AUS GENETISCH VERÄNDERTER HEFE

Title (fr)

PROCEDE PERMETTANT DE PRODUIRE DE L'INTERFERON ALPHA HUMAIN A PARTIR DE LEVURE GENETIQUEMENT MODIFIEE

Publication

EP 1272624 A1 20030108 (EN)

Application

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Priority

IB 0000339 W 20000316

Abstract (en)

[origin: WO0168827A1] A process for the production of physiologically-active human interferon alpha from genetically engineered yeast, Pichia pastoris, comprising digesting, with an enzyme to produce a linearized plasmid, a plasmid having a promoter and operationally linked to a human interferon alpha gene in the absence of a fusion region; transforming Pichia pastoris cells with the linearized plasmid by homologous recombination to form Pichia pastoris clones; screening the Pichia pastoris clones for high interferon alpha expression to find a high interferon-yielding Pichia pastoris clone; growing the high interferon-yielding Pichia pastoris clone; and purifying physiologically-active human interferon alpha protein from the high interferon-yielding Pichia pastoris clones.

IPC 1-7

C12N 15/00; C12N 5/10; C12N 1/15; C12N 1/16; C12P 21/02; C07K 14/47; C07K 14/555

IPC 8 full level

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