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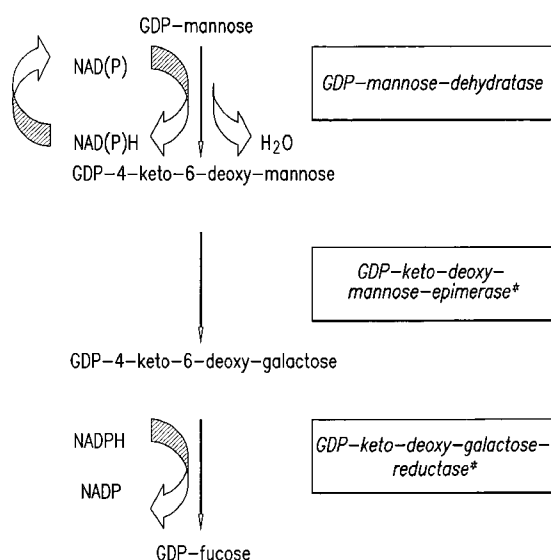
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(54) Title: PRODUCTION OF GLYCOPROTEINS WITH MODIFIED FUCOSYLATION

Engineering Fucosylation in *Pichia pastoris*



*GDP-keto-deoxy-mannose-epimerase and GDP-keto-deoxy-galactose-reductase are domains of a single bi-functional enzyme, known as the FX protein.

(57) Abstract: Methods are disclosed for genetically engineering host cells that lack an endogenous pathway for fucosylating *N*-glycans of glycoproteins to be able to produce glycoproteins with fucosylated *N*-glycans.

FIG. 1



Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*
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