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Box III Text of the abstract

The present application relates to methods of producing a protein in fucosylated and afucosylated forms at a predetermined ratio, the method comprising: culturing a host cell engineered to express the protein in a culture medium, wherein the host cell comprises substantially no GDP-keto-6-deoxymannose-3,5-epimerase,4-reductase (FX) or GDP-D-mannose-4,6-dehydratase (GMD) activity, and wherein the culture medium comprises a fucose source in an amount sufficient to produce the fucosylated and afucosylated forms of the protein at at the predetermined ratio.