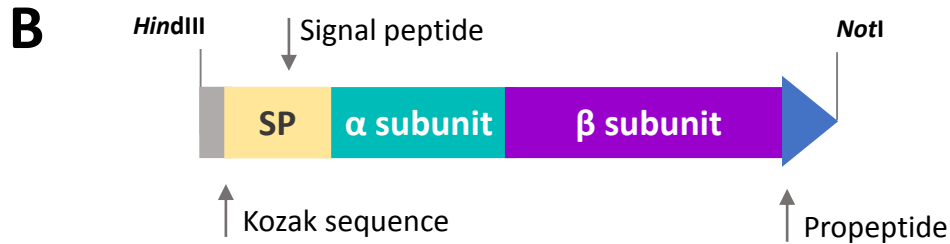
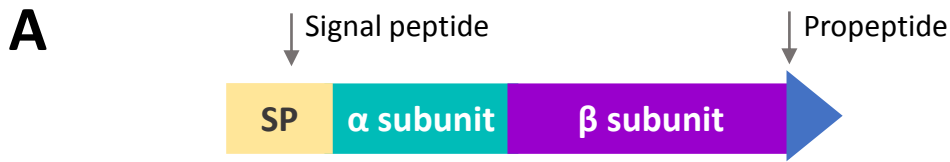


Figure S1



C

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aacatcgttttgaataagattttgtaagcggccgc

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Restriction sites *HindIII* (5') and *NotI* (3') in black bold;

Kozak sequence underlined;

Signal peptide in **yellow bold**; α -subunit in **green bold**; β -subunit in **purple bold**;

and propeptide in **blue bold**.

Figure S1: Schematic representations of Pinto- α AI gene, synthetic gene and its nucleotide sequence. (A) Native α AI gene from cv. Pinto comprising signal peptide (SP), α - and β - subunits and the propeptide sequences; (B) the synthetic α AI-OPT gene, optimised for expression in yeast, including a Kozak consensus sequence and flanked by *HindIII* and *NotI* restriction sites. (C) Nucleotide sequence of α AI-OPT gene.