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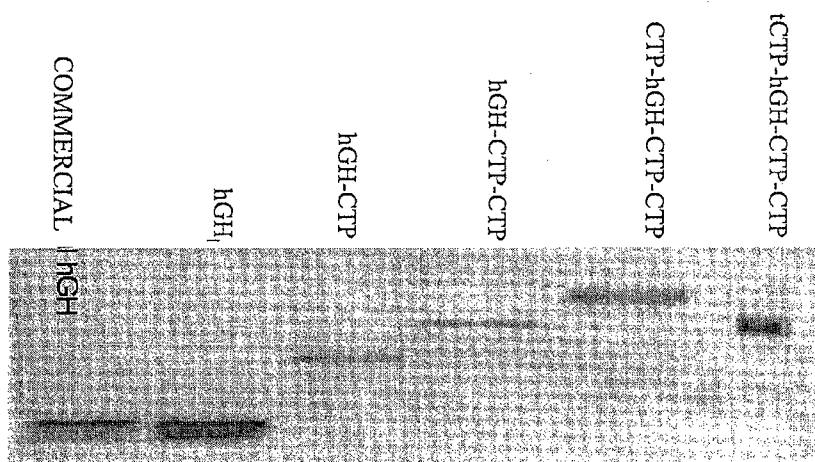
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(54) **Title:** LONG-ACTING GROWTH HORMONE AND METHODS OF PRODUCING SAME**FIGURE 1**

(57) **Abstract:** Use of a growth hormone protein and polynucleotides encoding same comprising an amino-terminal carboxy-terminal peptide (CTP) of chorionic gonadotrophin and two carboxy-terminal chorionic gonadotrophin CTPs attached to the growth hormone in methods of inducing weight loss or body fat reduction, methods of increasing insulin-like growth factor (IGF-1) levels, and methods of reducing the dosing frequency of a growth hormone in a human subject are disclosed. Pharmaceutical compositions comprising the growth hormone and polynucleotides encoding the growth hormone of the invention and methods of using same are also disclosed.

**WO 2013/018098 A3**