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(71) Applicant (for all designated States except US): **PROL-OR BIOTECH LTD.** [IL/IL]; 7 Golda Meir Street, 2nd floor, 74140 Nes Ziona (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **FARES, Fuad** [IL/IL]; PO Box 423, 25155 Hourfish Village (IL). **FIMA, Udi Eyal** [IL/IL]; 30 Albek Street, 84833 Beer-Sheva (IL).(74) Agent: **GORDON, Irit**; P.O.Box 12704, 46733 Herzliya (IL).

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

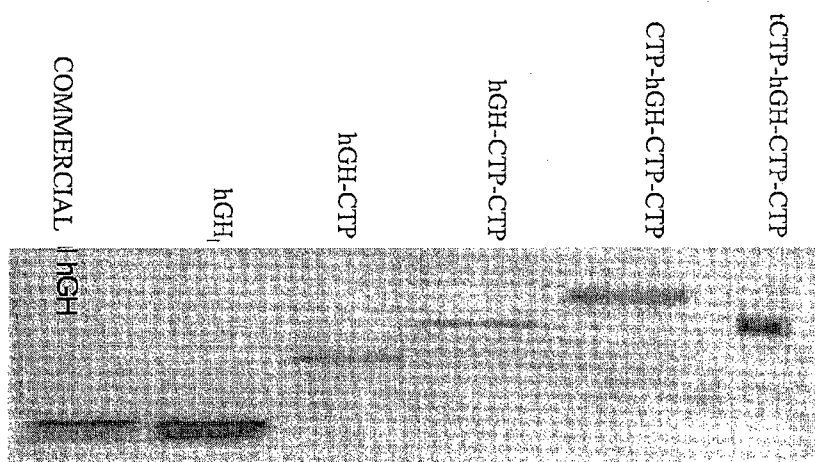


FIGURE 1

(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.

