

# Human LHRH Recombinant Protein



RPPB1341

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## Product Information   Protein Information

**Product SKU:**

RPPB1341

**Accession:**

P01148

**Protein description:**

Lutenizing Hormone Releasing Hormone Human Synthetic is a single, non-glycosylated, polypeptide chain containing 10 amino acids and having a molecular mass of 1182.2 Dalton. The molecular formula is C<sub>55</sub>H<sub>75</sub>N<sub>17</sub>O<sub>13</sub>.C<sub>2</sub>H<sub>4</sub>O<sub>2</sub>. The CAS Number is 71447-49-9.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Progonadoliberin-1, Progonadoliberin I, LHRH, GRH, GNRH, LNRH.

**Formulation:**

The LHRH was lyophilized from a concentrated (1 mg/ml) solution with no additives.

**Purity:**

Greater than 98.0% as determined by RP-HPLC.

**Solubility:**

It is recommended to reconstitute the lyophilized LHRH in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. The LHRH is also soluble in a 1% glacial acetic acid.

**Stability:**

Lyophilized LHRH although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution LNRH should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

Pyr-His-Trp-Ser-Tyr-Gly-Leu-Arg-Pro-Gly-NH<sub>2</sub>.