

## Luteinizing Hormone Releasing Hormone Human

<b>Item Number</b>	rAP-2540
<b>Synonyms</b>	Progonadoliberin-1, Progonadoliberin I, LHRH, GRH, GNRH, LNRH.
<b>Description</b>	Luteinizing 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.
<b>Uniprot Accession Number</b>	P01148
<b>Amino Acid Sequence</b>	Pyr-His-Trp-Ser-Tyr-Gly-Leu-Arg-Pro-Gly-NH <sub>2</sub> .
<b>Source</b>	
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
<b>Formulation and Purity</b>	The LHRH was lyophilized from a concentrated (1 mg/ml) solution with no additives. Greater than 98.0% as determined by RP-HPLC.
<b>Application</b>	
<b>Solubility</b>	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.
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**