

## GNRH1

## Recombinant Human Luteinizing Hormone Releasing Hormone

<b>Catalog No.</b>	CRL110A CRL110B CRL110C	<b>Quantity:</b>	5 µg 20 µg 1.0 mg
<b>Alternate Names:</b>	Progonadoliberin-1, Progonadoliberin I, LHRH, GRH, GNRH, LNRH.		
<b>Description:</b>	<p>Gonadotropin-releasing hormone 1 (GNRH1), also known as Luteinising-hormone releasing hormone (LHRH), is a peptide hormone responsible for the release of FSH and LH from the anterior pituitary. GNRH1 is synthesized and released by the hypothalamus.</p> <p>Recombinant Human LHRH is a single, non-glycosylated polypeptide chain containing 92 amino acids (24-92 a.a.) fused to a 23 amino acid His-tag at the N-terminus.</p>		
<b>Gene ID:</b>	2796		
<b>UniProt ID:</b>	P01148		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	10.3 kDa		
<b>Concentration:</b>	0.5 mg/ml		
<b>Purity:</b>	> 90.0% as determined by SDS-PAGE.		
<b>Formulation:</b>	Sterile filtered solution containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol, 1mM DTT.		
<b>Amino Acid Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MGSQHWSYGL RPGGKRDAEN LIDSFQEIVK EVGQLAETQR FECTTHQPRS PLRDLKGALE SLIEETGQK KI		
<b>Storage &amp; Stability:</b>	<p>Store at 2-8°C for short term. It is recommended to add a carrier protein such as 0.1% HSA or BSA, and store as working aliquots at -20°C to -80°C.</p> <p><b>Avoid multiple freeze-thaw cycles.</b></p>		

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