

Prolactin Protein, Human (SF9, His)

Cat. No.:	HY-P73380
Synonyms:	PRL; Prolactin
Species:	Human
Source:	Sf9 insect cells
Accession:	P01236 (L29-C227)
Gene ID:	5617
Molecular Weight:	Approximately 24.3 kDa

PROPERTIES

AA Sequence	L P I C P G G A A R C Q V T L R D L F D R A V V L S H Y I H N L S S E M F S E F D K R Y T H G R G F I T K A I N S C H T S S L A T P E D K E Q A Q Q M N Q K D F L S L I V S I L R S W N E P L Y H L V T E V R G M Q E A P E A I L S K A V E I E E Q T K R L L E G M E L I V S Q V H P E T K E N E I Y P V W S G L P S L Q M A D E E S R L S A Y Y N L L H C L R R D S H K I D N Y L K L L K C R I I H N N N C
Biological Activity	Measured by its ability to promote proliferation of INS-1 cells and the ED ₅₀ is typically 5-120 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 500 mM NaCl, 10% Glycerol, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Prolactin is a protein that primarily acts on the mammary gland by promoting lactation. It achieves this by interacting with its receptor, PRLR.
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Caution: Product has not been fully validated for medical applications. For research use only.

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