

## Prolactin Protein, Human (HEK293, His)

Cat. No.:	HY-P71059
Synonyms:	Prolactin; PRL;
Species:	Human
Source:	HEK293
Accession:	P01236 (L29-C227)
Gene ID:	5617
Molecular Weight:	25-30 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 in a cell proliferation assay using Nb2-11 rat lymphoma cells. The ED <sub>50</sub> this effect is 0.1656 ng/mL, corresponding to a specific activity is 6.038×10 <sup>6</sup> units/mg.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl or 50 mM Tris-HCL, 300 mM NaCl, pH 7.4.
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 <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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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