

Prolactin Protein, Mouse (His)

Cat. No.:	HY-P700261
Synonyms:	Prl; Prolactin; PRL
Species:	Mouse
Source:	E. coli
Accession:	P06879 (L30-C226)
Gene ID:	19109
Molecular Weight:	Approximately 23 kDa

PROPERTIES

AA Sequence	<p> L P I C S A G D C Q T S L R E L F D R V V I L S H Y I H T L Y T D M F I E F D K Q Y V Q D R E F M V K V I N D C P T S S L A T P E D K E Q A L K V P P E V L L N L I L S L V Q S S S D P L F Q L I T G V G G I Q E A P E Y I L S R A K E I E E Q N K Q L L E G V E K I I S Q A Y P E A K G N G I Y F V W S Q L P S L Q G V D E E S K I L S L R N T I R C L R R D S H K V D N F L K V L R C Q I A H Q N N C </p>
Biological Activity	Measured in a cell proliferation assay using Nb211 rat lymphoma cells. The ED ₅₀ for this effect is 4.279 ng/mL, corresponding to a specific activity is 2.336×10 ⁵ units/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of 50 mM Tris-HCL, 300 mM NaCl, 200 mM arginine, pH 8.0.
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. 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 plays a pivotal role in promoting lactation by primarily acting on the mammary gland. It achieves this by interacting with its specific receptor, PRLR, which facilitates the lactation process.
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA