

Recombinant Rat Prolactin

Information

Gene ID	24683
Accession #	P01237
Alternate Names	
Source	Escherichia coli.
M.Wt	Approximately 22.6 kDa, a single non-glycosylated polypeptide chain containing 197 amino acids.
AA Sequence	LPVCSGGDCQ TLPPELFDRV VMLSHYIHTL YTDMFIEFDK QYVQDREFIA KAINDCPTSS LATPEDKEQA QKVPPEVLLN LILSLVHSWN DPLFQLITGL GGIHEAPDAI ISRAKEIEEQ NKRLLLEGIEK IISQAYPEAK GNEIYLVWSQ LPSLQGVDEE SKDLAFYNNI RCLRRDSHKV DNYLKFLRCQ IVHKNNC
Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles - 12 months from date of receipt, -20 to -70 °C as supplied - 1 month, 2 to 8 °C under sterile conditions after reconstitution - 3 months, -20 to -70 °C under sterile conditions after reconstitution
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
Biological Activity	Fully biologically active when compared to standard. The ED ₅₀ as determined by a cell proliferation assay using rat Nb2-11 cells is less than 1.0 ng/ml, corresponding to a specific activity of > 1.0 × 10 ⁶ IU/mg.
Shipping Condition	Gel pack.
Handling	Centrifuge the vial prior to opening.
Usage	For Research Use Only! Not to be used in humans.

Components and Storage

Components	10µg	100µg	500µg
Recombinant Rat Prolactin	10µg	100µg	500µg

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- 12 months from date of receipt, -20 to -70 °C as supplied
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 3 months, -20 to -70 °C under sterile conditions after reconstitution

Quality Control

Purity	> 98 % by SDS-PAGE and HPLC analyses.
Endotoxin	Less than 0.1 EU/ μ g of rRtProlactin as determined by LAL method.

Description

Reference



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