

Recombinant Rat Prolactin

CATALOG #:	4689-10	10 µg
	4689-50	50 µg
	4689-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E.coli</i>	
PURITY:	>95% by SDS-PAGE and HPLC Endotoxin level is <0.1 ng per µg of Prolactin.	
MOL. WEIGHT:	22.5 kDa	
FORM:	Sterile filtered and lyophilized from 10 mM Sodium Phosphate, pH 8.0 + 50 mM NaCl.	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

STORAGE CONDITIONS:

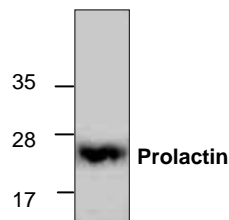
The lyophilized protein is best-stored desiccated below 0°C. Reconstituted human Prolactin should be stored at working aliquots at -20°C.

DESCRIPTION:

Prolactin (also known as mammothrophin, luterotropic hormone, and lutetropin) is a neuroendocrine hormone secreted by the pituitary gland. Its primary function is to promote and maintain lactation during pregnancy and suckling. In addition, Prolactin plays an immune-regulatory role by stimulating the activities of ornithine decarboxylase and protein kinase C, which are important for the proliferation, differentiation, and function of lymphocytes. Recombinant murine Prolactin is a 22.5 kDa globular protein containing 198 amino acid residues.

ACTIVITY:

The ED₅₀ determined by the dose-dependent stimulation of the proliferation of rat lymphoma, Nb2-11 cells was found to be in the range of 0.1-1.0 ng/ml.



Cat. #: 4689-50

Purity of recombinant rat Prolactin (2 µg) was analyzed by reduced SDS-PAGE electrophoresis.

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