

Recombinant Murine Prolactin

CATALOG #:	4688-10	10 µg
	4688-50	50 µg
	4688-1000	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:

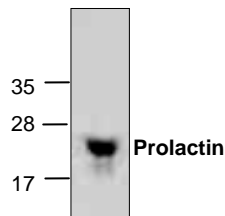
The lyophilized protein is best-stored desiccated below 0°C. Reconstituted human Prolactin should be stored at working aliquots at -20°C.

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. #: 4688-50
Purity of recombinant murine Prolactin (2 µg) was analyzed by reduced SDS-PAGE electrophoresis.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- Apoptosis Detection Kits & Reagents
 - Annexin V Kits & Bulk Reagents
 - Caspase Assay Kits & Reagents
 - Mitochondrial Apoptosis Kits & Reagents
 - Nuclear Apoptosis Kits & Reagents
 - Apoptosis Inducers and Set
 - Apoptosis siRNA Vectors
- Cell Fractionation System
 - Mitochondria/Cytosol Fractionation Kit
 - Nuclear/Cytosol Fractionation Kit
 - Membrane Protein Extraction Kit
 - Cytosol/Particulate Rapid Separation Kit
 - Mammalian Cell Extraction Kit
 - FractionPREP Fractionation System
- Cell Proliferation & Senescence
 - Quick Cell Proliferation Assay Kit
 - Senescence Detection Kit
 - High Throughput Apoptosis/Cell Viability Assay Kits
 - LDH-Cytotoxicity Assay Kit
 - Bioluminescence Cytotoxicity Assay Kit
 - Live/Dead Cell Staining Kit
- Cell Damage & Repair
 - HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
 - HAT Colorimetric Assay Kit & Reagents
 - DNA Damage Quantification Kit
 - Glutathione Fluorometric & Colorimetric Assay Kits
 - Nitric Oxide Fluorometric & Colorimetric Assay Kits
- Signal Transduction
 - Camp & cGMP Assay Kits
 - Akt & JNK Activity Assay Kits
 - Beta-Secretase Activity Assay Kit
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 - Recombinant Adiponectin, Survivin, & Leptin
 - CETP Activity Assay & Drug Discovery Kits
 - Total Cholesterol Quantification Kit
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 - Growth Factors, Cytokines, & Chemokines
 - Antibodies to Apoptosis and Cell Signaling Molecules