

Datasheet: PHP264

Description:	RECOMBINANT HUMAN PROLACTIN
Name:	PROLACTIN
Other names:	LUTEOTROPIC HORMONE
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	50 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Functional Assays	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified recombinant protein - lyophilized
Reconstitution	Reconstitute with 0.5 ml distilled water. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.
Preparation	Purified recombinant prolactin expressed in <i>E.coli</i>
Source	E.coli
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Carrier Free	Yes
Endotoxin Level	< 1.0 EU/ug

Approx. Protein Concentrations	0.1 mg/ml after reconstitution
External Database Links	UniProt: P01236 Related reagents Entrez Gene: 5617 PRL Related reagents
Product Information	Prolactin (PRL), also known as luteotropic hormone (LTH), is a neuroendocrine hormone and member of the somatotropin/prolactin family, which is secreted by the anterior pituitary, under the regulation of neuroendocrine neurons in the hypothalamus. The primary function of prolactin is the stimulation of breast development, and promotion of lactation during pregnancy and suckling, but prolactin also exhibits a weak luteotropic effect. Elevated levels of prolactin can be associated with hypothalamic disease, hypothyroidism, kidney disease, chest wall trauma or irritation, and tumours of the pituitary, including prolactinomas.
Protein Molecular Weight	23 kDa (200 amino acid residues)
Activity	Determined by its ability to induce the proliferation of rat Nb2-11 cells in the concentration range of 0.1-1.0 ng/ml
Purity	>98% by SDS PAGE and HPLC
Storage	Prior to reconstitution store at +4°C. After reconstitution store at -20°C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	3 months from date of reconstitution
Health And Safety Information	Material Safety Datasheet documentation #10527 available at: https://www.bio-rad-antibodies.com/SDS/PHP26410527
Regulatory	For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
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Printed on 13 Aug 2023

