

Recombinant Human Prolactin Hormone Protein, His tagged

Cat. No. PRL-14H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human prolactin hormone, produced in HEK293 cells with a C-terminal His-tag and purified by affinity chromatography and dialysis.
Species	Human
Source	HEK293
ProteinLength	1-227 aa
Description	Prolactin (PRL) is a 198-amino-acid hormone secreted by the anterior pituitary gland, primarily responsible for lactation. Beyond its lactogenic role, PRL also influences reproductive health, immune responses, and metabolic regulation. Structurally related to growth hormone and placental lactogen, PRL mainly circulates as a biologically active monomer (23 kDa), while less active dimeric and polymeric forms, especially macroprolactin, may cause asymptomatic hyperprolactinemia.
Form	Liquid in DPBS.
Molecular Mass	Expected Molecular Weight: 30.4 kDa Observed Molecular Weight: 30 kDa, 32 kDa
Storage	Short Term Storage: -80 centigrade Long Term Storage: -80 centigrade Avoid multiple freeze-thaw cycles, Can be frozen, but avoid multiple freeze-thaw cycles
Concentration	2.0 mg/mL

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Reference

1. Hattori N. Macroprolactinemia: new insights in hyperprolactinemia. J Clin Endocrinol Metab. 2014;99(6):2087–2095. 2. Fahie-Wilson M, Smith TP. Determination of prolactin: the macroprolactin problem. Best Pract Res Clin Endocrinol Metab. 2013;27(5):725–742. 3. WHO International Collaborative Study of the Proposed 4th International Standard for Prolactin, Human. [Accessed 04/2025].

GENE INFORMATION

Gene Name PRL prolactin [Homo sapiens]

Official Symbol PRL

Synonyms PRL; prolactin; decidual prolactin;

Gene ID 5617

mRNA Refseq NM_000948

Protein Refseq NP_000939

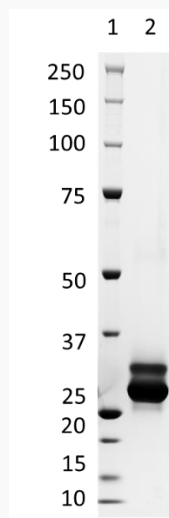
MIM 176760

UniProt ID P01236

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