

Active Recombinant Human PRL protein, mFc-tagged

Cat. No. PRL-384H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRL protein(Leu 29 - Cys 227), fused with mFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	29-227 a.a.
Form	Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
Bio-activity	Immobilized Human Prolactin Protein, Mouse IgG2a Fc Tag at 1 µg/mL (100 µL/well) can bind Human Prolactin R, Fc Tag with a linear range of 2-39 ng/mL.
Molecular Mass	This protein carries a mouse IgG2a Fc tag at the C-terminus. The protein has a calculated MW of 49.8 kDa. The protein migrates as 50-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at:

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-20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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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