

Active Recombinant Human PRL Protein, Fc-Avi-tagged, Biotinylated

Cat. No. PRL-460H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Human Prolactin, Fc Tag, Avi Tag is expressed from HEK293 cells. It contains AA Leu 29 - Cys 227 (Accession # Q5THQ0-1). This protein carries a human IgG1 Fc tag at the C-terminus, followed by a Avi tag.
Species	Human
Source	HEK293
ProteinLength	29-227 a.a.
Predicted N Terminal	Leu 29
Form	Lyophilized from 0.22 um filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arg, 150 mM NaCl, pH7.5, 10% trehalose.
Bio-activity	Immobilized Human Prolactin R / PRLR Protein, Fc Tag at 5 ug/mL (100 uL/well) can bind Biotinylated Human Prolactin, Fc Tag, Avi Tag with a linear range of 5-156 ug/mL.
Molecular Mass	The protein has a calculated MW of 51.2 kDa. The protein migrates as 57-66 kDa under reducing condition (SDS-PAGE) due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Characteristic	Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°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.
Conjugation	Biotin

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

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MIM	176760
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UniProt ID	P01236
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