

# Placental Lactogen, Bovine Recombinant

<b>CATALOG NO:</b>	P1595-10    10 µg P1595-50    50 µg
<b>ALTERNATE NAMES:</b>	Chorionic Somatomammotropin Hormone 1, CSH1, CSB, CS-1, hCS-B, BPL, BPLP-I.
<b>MOL. WT.</b>	23 kDa.
<b>SOURCE:</b>	<i>E. coli</i>
<b>PURITY:</b>	98% SDS - PAGE
<b>FORM:</b>	Lyophilized
<b>FORMULATION:</b>	Lyophilized from a concentrated (1mg/ml) solution with 0.02-0.03% NaHCO <sub>3</sub> .
<b>RECONSTITUTION:</b>	It is recommended to reconstitute the lyophilized Placental Lactogen in sterile 18MΩ-cm H <sub>2</sub> O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
<b>SPECIFIC ACTIVITY:</b>	Placental Lactogen Bovine is biologically active as evidenced by inducing proliferation of Nb2 cells.
<b>STORAGE CONDITIONS:</b>	Store at -20°C. For long term storage, it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid freeze-thaw cycles.
<b>DESCRIPTION:</b>	<p>Placental Lactogen is a polypeptide hormone that is produced by the Syncytiotrophoblasts of the Placenta, also known as chorionic somatomammotropin. It has both Growth Hormone and Prolactin activities on growth, lactation, and luteal steroid production. In women, placental lactogen secretion begins soon after implantation and increases to 1 g or more a day in late pregnancy. Placental lactogen is also an insulin antagonist.</p> <p>Placental Lactogen Bovine is also capable of activating human and other heterologous GH receptors but not ruminant GH receptors.</p>
<b>AMINO ACID SEQUENCE:</b>	The protein has 199 amino acids. The sequence of the first six N-terminal amino acids was determined and was found to be Ala-Glu-Asp-Tyr-Ala-Pro.

## RELATED PRODUCTS:

- Betacellulin Bovine Recombinant (P1588)
- FGF-2/FGF-basic, Bovine Pituitary (P1590)
- FGF-acidic, Bovine Brain (P1589)
- FGF-21, Bovine Recombinant (P1592)
- FGF-basic 147, Bovine Recombinant (P1591)
- Placental Lactogen, human recombinant (4869)

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