

## Bovine Placental Lactogen (PL)

Synonyms: Chorionic Somatomammotropin Hormone 1, CSH1, CSB, CS-1, hCS-B, BPL, BPLP-I.

*PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING*

Size	Order #	Lot #	Expiry Date
50 µg	1814.910.050		
1 mg	1814.910.199		

Please enquire for bulk quantities and other vial sizes

### Description

Placental Lactogen Bovine Recombinant, is a single polypeptide chain containing 199 amino acids and an additional Ala at the N-terminus having a molecular mass of 23 kDa.

- **Source** *E. Coli*
- **Purity** ≥ 98 % (SDS-PAGE, SEC-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** The protein was lyophilized from a concentrated (1mg/ml) solution with 0.02-0.03% NaHCO<sub>3</sub>\*
- **Physical state** Sterile filtered, lyophilized

### Biological Activity

Placental Lactogen Bovine is biologically active as evidenced by inducing proliferation of Nb2 cells.

### Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

### Stability

Lyophilized Placental Lactogen Bovine Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Placental Lactogen should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please avoid repeated freeze-thaw cycles.**

### Amino Acid Sequence

The sequence of the first six N-terminal amino acids was determined and was found to be Ala-Glu-Asp-Tyr-Ala-Pro.

**Usage:** For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

\*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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