



## Ovine Placental Lactogen (PL)

Synonyms: Chorionic Somatomammotropin Hormone 1, CSH1, CS-1, hCS, PL.

*PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING*

| Size  | Order#       | Lot# | Expiry Date |
|-------|--------------|------|-------------|
| 5 µg  | 1814.990.005 |      |             |
| 20 µg | 1814.990.020 |      |             |
| 1 mg  | 1814.990.199 |      |             |

Please enquire for bulk quantities and other vial sizes.

### Description

Placental Lactogen Ovine 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. Placental Lactogen Recombinant is purified by proprietary chromatographic techniques.

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

### Biological Activity

Placental Lactogen Ovine 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 Ovine 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, order number: 2835.955.xyz or 2835.958.xyz, or BSA, order number: 2835.919.xyz). **Please avoid repeated freeze-thaw cycles.**

### Amino Acid Sequence

The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Gln-His-Pro-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.