

Caprine Placental Lactogen Recombinant Protein



RPPB0858

Product Information Protein Information

Product SKU:

RPPB0858

Host:

Escherichia Coli.

Protein description:

Placental Lactogen Caprine 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 Goat is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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

Formulation:

The protein was lyophilized from a concentrated (1mg/ml) solution with 0.02-0.03% NaHCO₃.

Purity:

Greater than 98.0% as determined by:(a) Analysis by SEC-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Placental Lactogen in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Placental Lactogen Caprine Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Placental Lactogen Goat 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 prevent freeze-thaw cycles.

Amino Acid Sequence:

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

Biological Activity:

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