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32-6520: Placental Lactogen Sf9, Human

Application : Functional Assay

Alternative Name : Chorionic Somatomammotropin Hormone 1, CSH1, Choriomammotropin, Lactogen, CSH2, PL, CSA, CSMT, FLJ75407

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
Placental Lactogen is a polypeptide hormone that is produced by the Syncytiotrophoblasts of the Placenta.Placental Lactogen has both GH 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 Bovine is also capable of activating human and other heterologous GH receptors.
Placental Lactogen Human produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 197 amino acids (27-217 aa) and having a molecular mass of 23.1kDa.Placental Lactogen is fused to a 6 amino acid His tag at C-terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : The Placental Lactogen solution (0.25mg/ml) contains 30% Glycerol and Phosphate-Buffered Saline (pH 7.4).

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Amino Acid : VQTVPLSRLF DHAMLQAHRA HQLAIDTYQE FEETYIPKDQ KYSFLHDSQT SFCFSDSIPT PSNMEETQQK SNLELLRISL LLIESWLEPV RFLRSMFANN LVYDTSDSDD YHLLKDLEEG IQTLMGRLED GSRRTGQILK QTYSKFDTNS HNHDALLKNY GLLYCFRKDM DKVETFLRMV QCRSVEGSCG FHHHHHH

Application Note

Determined by cell proliferation assay using Nb2-11 Rat lymphoma cells. ED50 range for this effect is <= 0.8 ng/ml.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.