

Placental Lactogen Human Recombinant

Item Number	rAP-2437
Synonyms	Chorionic Somatomammotropin Hormone 1, CSH1, Choriomammotropin, Lactogen, CSH2, PL, CSA, CSMT, FLJ75407.
Description	Placental Lactogen Human Recombinant, is a single polypeptide chain containing 199 amino acids and an additional Ala at the N-terminus having a molecular mass of approximately 22.4 kDa. Placental Lactogen Recombinant is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P01243
Amino Acid Sequence	The sequence of the first six N-terminal amino acids was determined and was found to be Ala-Val-Gln-Thr-Val-Pro.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Placental Lactogen Human 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 prevent
Formulation and Purity	The protein was lyophilized from a concentrated (1mg/ml) solution with 0.02-0.03% NaHCO ₃ . Greater than 99.0% as determined by:(a) Analysis by Gel Filtration.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Placental Lactogen in sterile water or 0.4% NaHCO ₃ adjusted to pH 8-9, not less than 100µg/ml, which can then be further diluted to other aqueous solutions, preferably in presence of carrier protein.
Biological Activity	Placental Lactogen Human is biologically active as evidenced by inducing proliferation of Nb2 cells.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**