



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet Purified Human Placental Lactogen

Catalog No.
DS-01-0359

Species
Human

Introduction

The hormone human placental lactogen is a 21kDa dimer. It is normally only produced during pregnancy where it stimulates lactation, fetal growth and metabolism.

Applications

Table Summary of protein applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay	•			

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

Physical Appearance

Purified human placental lactogen - lyophilised.

Formulation

Lyophilized powder, reconstitute with 1.0ml of Phosphate buffered saline, pH 7.0. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. It is recommended that the vial is gently mixed after reconstitution.

Should this product contain a precipitate we recommend microcentrifugation before use.

Approx. Protein Concentration: 1.0mg/ml

Preparation

1.0mg/ml purified placental lactogen from human placental tissue in 0.02M NH_4HCO_3 .

Purity

Greater than 96% by SDS PAGE

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Storage

Store at -20°C only. Storage in frost-free freezers is not recommended.

This product should be stored undiluted. The shelf life of this product is 18 months from date of reconstitution. **Avoid repeated freezing and thawing.**

Reference

Walsh, S.T. et al. (2006) Crystal structure and site 1 binding energetics of human placental lactogen. J. Mol. Biol. 358: 773-784.

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