

Recombinant Human Placental Lactogen

CATALOG #:	4869-20	20 µg
	4869-100	100 µg
	4869-1000	1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: >95% by SDS-PAGE and HPLC analysis
Endotoxin level is <0.1 ng per µg of Placental Lactogen

MOL. WEIGHT: 22.3 kDa

FORMULATION: Sterile filtered and lyophilized with no additives

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or – 20°C for future use.

STORAGE CONDITIONS:

The lyophilized Placental Lactogen is best-stored desiccated below 0°C. Reconstituted protein should be stored at working aliquots at -20°C. For long-term storage, it is recommended to add carrier protein (0.1% BSA).

DESCRIPTION:

Human placental lactogen (HPL), also called human chorionic somatomammotropin, is a polypeptide placental hormone. Its structure and function is similar to that of growth hormone. It modifies the metabolic state of the mother during pregnancy to facilitate the energy supply of the fetus. Recombinant human placental lactogen is a 22.3 kDa protein protein sequence:

MVQTVPLSRLFDHAMLQAHRAHQLAIDTYQEFEEYIPKDKQKYSFLHDSQTSFCFSDSIPT
PSNMEETQQKSNLELLRISLLIESWLEPVRFRLRSMFANNLVYDTSDDYHLLKDLEEG
IQTLMGRLEDGSRRTGQILKQTYSKFDTNSHNHDALLKNYGLLYCFRDKMDKVFRLRTV
QCRSVEGSCGF

BIOLOGICAL ACTIVITY:

In process.

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