

## PRODUCT INFORMATION SUMMARY

### Human Prolactin

Purified Factor	Product Number	HC70047B	50.0 ug
	Product Number	HC70047A	10.0 ug

#### DESCRIPTION:

Human Prolactin, secreted by the pituitary gland, is a hormone that stimulates lactation during pregnancy. It also is involved in activation of protein kinase C and other enzymes involved in lymphocyte proliferation and function. Human Prolactin has molecular weight of 23.0 kDa, and 200 aa. residues.

**SOURCE:** E. Coli  
Purity > 98% by HPLC analysis  
Endotoxin < 0.1 ng per ug Human Prolactin

**BIOLOGICAL ACTIVITY:** Induces proliferation of Rat Nb2-11 cells in range of 0.1 - 1.0 ng/mL Human Prolactin.

#### HANDLING AND STORAGE:

Purified Human Prolactin factor is provided lyophilized and free of additives. ( from PBS, pH 8.0). Store lyophilized, at -20° C. Reconstitute with **distilled water** to 100 ug/mL, then further dilute in PBS or other buffered solutions (**pH 7.2**). Store small aliquots, with addition of 0.1% BSA, at -20° C for long-term storage - up to 3 months, at high concentration.

**Microcentrifuge before reconstitution.** Because ANTIGENIX factors are provided without carrier proteins like sucrose or BSA, the small quantities of lyophilized protein can adhere to the sides and cap of the vial during manufacture. **Before opening the vial**, we recommend microcentrifuging for 30 seconds to spin-down all material.

#### WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

**RESEARCH USE ONLY -NOT for DRUG USE**