

AAA of HC90020



# PRODUCT INFORMATION SUMMARY

## Human IL 9

Purified Factor                      Product Number      HC90020              10.0 ug

### DESCRIPTION:

Human Interleukin-9 (IL 9) is a growth factor which acts upon lymphoid cells, myeloid and mast cell lineages. Human IL 9 exerts multiple responses and is produced preferentially by CD4 helper T cells. Molecular weight of 14.1 kDa, with 114 aa. residues.

**SOURCE:**    E. Coli  
                  Purity > 98% by HPLC analysis  
                  Endotoxin < 0.1 ng per ug IL 9

### BIOLOGICAL ACTIVITY:

**Fully biologically active when compared to standards.**  
Specific activity of  $5 \times 10^6$  units/mg, as determined by dose dependent proliferation of human MO7e cells.

**Range of biologic activity:** 0.1 - 10 ng/mL

### HANDLING AND STORAGE:

Purified Human IL 9 factor is provided lyophilized. Store lyophilized, at -20° C. Can be reconstituted with **distilled water** to a concentration of 100 ug/mL, then dilute in PBS or other buffered solutions. Store small aliquots at -20° C for long-term storage, 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**