

## PRODUCT INFORMATION SUMMARY

### Human IL-12p70

(CTL maturation Factor)

Purified Factor	Product Number	HC67742B	10.0 ug
	Product Number	HC67742A	2.0 ug

#### DESCRIPTION:

Human IL-12p70 (Interleukin-12,) is a cytokine involved in cell-mediated immune responses on NK cells, CD4, CD8 and Th1 lymphocytes. IL-12p70 is produced predominately by activated B cells, macrophages and mast cells.

IL-12p70 is a heterodimer with p35 and p40 sub-units with total 503 aa. MW is approx. 57.2 kDa, but the glycosylated protein shows MW of approx. 65 kDa on SDS-PAGE.

This recombinant cell-derived Human GDF-15 is a homodimeric protein with two 112 aa chains with MW of approx. 24.6 kDa.

**SOURCE:** HEK293 cells  
Purity > 98% by HPLC analysis  
Endotoxin < 0.1 ng per ug IL-12

**BIOLOGICAL ACTIVITY:** Ability to drive increased IFN Gamma production by PBMC stimulated with anti-TCR antibody.

#### HANDLING AND STORAGE:

Purified IL-12p70 is provided lyophilized. Store lyophilized, at -20° C. Can be reconstituted with **sterile or distilled water** to a concentration of approx. 100 ug/mL, then dilute in PBS or other buffered solutions. Store small aliquots, **with addition of 0.1% BSA**, at -20° C, for 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.

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

ANTIGENIX America Inc.