

# ANTIGENIX AMERICA, INC.

## PRODUCT INFORMATION SUMMARY

### Human IL-35

Purified Factor	Product Number	HC41420B	10.0 ug
		HC41420A	2.0 ug

#### DESCRIPTION:

Human Interleukin-35 (IL-35) is a glycosylated cytokine with a beta subunit from IL-27 (EBI3) and the p35 subunit from IL-12. Believed to act as suppressor of inflammation via Th17 cells. IL-35 expressed macrophages, "tregs" T-cells, and some dendritic cells.

Recombinant Human IL 35 glycoprotein heterodimer is produced in HEK293 cells and seen as a diffuse band on SDS-PAGE with approx. 60 kDa molecular weight. Contains 406 aa. residues with a calculated MW of approx. 46 kDa.

**SOURCE:** HEK293 cells  
Purity > 90% by HPLC analysis  
Endotoxin < 0.1 ng per ug IL-34

**BIOLOGICAL ACTIVITY:** Ability to inhibit proliferation of PBMCs.

#### HANDLING AND STORAGE:

Purified Human IL-35 factor 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 long-term storage up to three 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**

[WWW.ANTIGENIX.COM](http://WWW.ANTIGENIX.COM)