

## PRODUCT INFORMATION SUMMARY

### Human IL-37

(IL-1F7)

Purified Factor	Product Number	HC67743B	25.0 ug
	Product Number	HC67743A	5.0 ug

#### DESCRIPTION:

Human IL-37 (Interleukin-37,) is a cytokine in the IL-1 family involved in the immune response. IL-37 acts as an inhibitor of the inflammatory response; Reduced levels of IL-37 synthesis results in greater production of pro-inflammatory cytokines like IL-1 alpha and beta, and TNF alpha. IL-37 is observed at high levels in synovial tissue from rheumatoid arthritis patients. IL-37 is a 174 aa. protein with MW of approx. 19.4 kDa ( mature form).

**SOURCE:** E. coli  
Purity > 95% by HPLC analysis  
Endotoxin < 0.1 ng per ug IL-37

**BIOLOGICAL ACTIVITY:** Ability to bind IL-18

#### HANDLING AND STORAGE:

Purified IL-37 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.