

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

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