

## PRODUCT INFORMATION SUMMARY

### Human SCGF Alpha

(STEM CELL GROWTH FACTOR)

Purified Factor	Product Number	HC88876B	10.0 ug
		HC88876A	2.0 ug

#### DESCRIPTION:

Human Stem Cell Growth Factor (SCGF) exist in Alpha and Beta forms and are hematopoietic growth factors that stimulate proliferation of erythroid ( Alpha form) and myeloid ( Beta form) progenitors in bone marrow. EPO and GM-CSF have affects in this activity. Human SCGF-Alpha has molecular weight of 33.9 kDa, and 305 aa. residues.

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

#### BIOLOGICAL ACTIVITY:

**Fully biologically active when compared to standards.**

Activity determined by stimulation of human TF-1 cell line, grown in media containing GM-CSF and corresponds to 2.5 ng/mL ( half-maximal).

#### HANDLING AND STORAGE:

Purified Human SCGF factor is provided lyophilized and free of additives. Store lyophilized, at -20° C. Spin-down vial prior to opening. **Reconstitute with distilled water** to concentration of 500 ug/mL, **NOTE: SLOW to dissolve**, then further dilute in buffered solutions **containing carrier protein or medium containng serum**. 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**