

## 32-20218: Recombinant Human SCGF-Alpha(Discontinued)

**Alternative Name :** Stem Cell Growth Factor-Alpha

### Description

**Source:**E.coli

SCGF-Alpha and -Beta are hematopoietic growth factors that exert their activity at early stages of hematopoiesis. The SCGFs are non-glycosylated, species-specific cytokines that can support growth of primitive hematopoietic cells, and, in combination with EPO or GM-CSF, promote proliferation of erythroid or myeloid progenitors, respectively. Recombinant Human SCGF-Alpha is a 33.9 kDa polypeptide containing 305 amino acid residues.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

**Amino Acid :** GHGARGAER EWEGGWGGAQ EEEREREALM LKHLQEALGL PAGRGDENPA GTVEGKEDWE  
MEEDQGEESSE EATPTPSSG PSPSPTPEDI VTYILGRLAG LDAGLHQLHV RLHALDTRVV ELTQGLRQLR  
NAAGDTRDAV QALQEAQGRA EREHGRLEGC LKGLRLGHKC FLLSRDFEAQ AAAQARCTAR  
GGSLAQPADR QQMEALTRYL RAALAPYNWP VWLGVHARRA EGLYLFENGQ RVSFFAWHRS  
PRPELGAQPS ASPHPLSPDQ PNGGTLENCV AQASDDGSWW DHDCQRRLLYY VCEFPF

### Application Note

Determined by its inhibitory effect on the proliferation of TF-1 cells previously grown in media containing GM-CSF. The  $ED_{50}$  for this effect was observed at  $\leq 2.5$  ng/ml.