

## 32-20219: Recombinant Human SCGF-Beta(Discontinued)

**Reactivity :** Human

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

### 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-Beta is a 25.0 kDa polypeptide containing 227 amino acid residues.

### Product Info

**Amount :** 2 µg / 10 µg

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

**Amino Acid :** MGHGARGAER EWEGGWGGAQ EEEREREALM LKHLQEALGL PAGRGDENPA GTVEGKEDWE  
MEEDQGEEEE EEATPTPSSG PSPSPTPEDI VTYILGRLAG LDAGLHQLHV RLHALDTRVV ELTQGLRQLR  
NAAGDTRDAV QALQEAQGRA EREHGRLEGC LKGLRLGHKC FLLSRDFEAQ PSASPHPLSP  
DQPNGGTLEN CVAQASDDGS WWDHDCQRRL YYVCEFPF

### Application Note

Determined  $\tilde{A}_{490}$  by the dose-dependent stimulation of the  $\tilde{A}_{490}$  proliferation of TF-1 cells previously grown in media containing GM-CSF. The  $\tilde{A}_{490}$  ED<sub>50</sub> for this effect was observed at  $\leq 7$  ng/ml.