



Recombinant Human SCGF-alpha

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-098S
Size:	2 µg
Lot. No.:	According to product label

Sequence

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GHGARGAERE WEGGWGGAQE EEREREALML KHLQEALGLP
AGRGDENPAG TVEGKEDWEM EEDQGEEEEEE EATPTPSSGP
SPSPTPEDIV TYILGRLAGL DAGLHQLHVR LHALDTRVVE
LTQGLRQLRN AAGDTRDAVQ ALQEAQGRAE REHGRLEGCL
KGLRLGHKCF LLSRDFEAQA AAQARCTARG GSLAQPADRQ
QMEALTRYLR AALAPYNWPV WLGVHDRRAE GLYLFENGQR
VSFFAWHRSP RPELGAQPSA SPHPLSPDQP NGGTLENCVA
QASDDGSWWD HDCQRRLYYV CEFPF
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Scientific Background

Gene-ID (NCBI):	6320
Synonyms:	CLEC11A; P47; SCGF; LSLCL; CLECSF3

Stem Cell Growth Factor-alpha (SCGF-alpha) is a newly discovered hematopoietic growth factor that exerts its activity at the early stages of hematopoiesis. Human SCGF-alpha is a non-glycosylated species-specific cytokine that can support growth of primitive hematopoietic cells, and in combination of EPO or GM-CSF, it promotes proliferation of erythroid and myeloid progenitors, respectively. Recombinant human SCGF-alpha is a 33.9 kDa polypeptide containing 305 amino acid residues.

Database References

Protein RefSeq:	NP_002966.1
Uniprot ID:	Q9Y240
mRNA RefSeq:	NM_002975.2

Product Specifications

Expressed in	E. coli
Purity	> 98% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	305
MW:	33.9 kDa

Biological Activity: Determined by its inhibitory effect on the proliferation of TF-1 cells previously grown in media containing GM-CSF. The ED50 for this effect was observed at 2.5 ng/ml.



AVOID REPEATED FREEZE AND THAW CYCLES!