

CLEC11A

Recombinant Human Stem Cell growth Factor-alpha

Catalog No.	CRS400B	Quantity:	10 µg
Alternate Names:	C-type lectin domain family 11 member A, SCGF-alpha, p47, C-type lectin superfamily member 3		
Description:	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.		
UniProt ID:	Q9Y240		
Gene ID:	6320		
Source:	<i>E. coli</i>		
Molecular Weight:	33.9 kDa (305 aa)		
Formulation:	Lyophilized from PBS.		
Purity:	> 98% by SDS-PAGE gel and HPLC analyses.		
Endotoxin Level:	< 1 EU/µg		
Biological Activity:	ED ₅₀ ≤ 2.5 ng/ml, determined by the dose-dependent inhibition of human TF-1 cell proliferation, previously grown in media containing GM-CSF.		
Amino Acid Sequence:	GHGARGAERE WEGGWGGAQE EEREREALML KHLQEALGLP AGRGDENPAG TVEGKEDWEM EEDQGEEEEEE EATPTPSSGP SPSPTPEDIV TYILGRLAGL DAGLHQLHVR LHALDTRVVE LTQGLRQLRN AAGDTRDAVQ ALQEAQGRAE REHGRLEGCL KGLRLGHKCF LLSRDFEAQA AAQARCTARG GSLAQPADRQ QMEALTRYLR AALAPYNWPV WLGVDHRRAE GLYLFENGQR VSFFAWHRSP RPELGAQPSA SPHPLSPDQP NGGTLENCVA QASDDGSWWD HDCQRRLYYV CEFPPF		
Reconstitution:	Centrifuge vial prior to opening. Reconstitute with PBS to a concentration of not less than 100 µg/ml. After complete solubilization of the protein, it can be further diluted into other buffered solutions such as PBS pH 7.0.		
Storage & Stability:	Lyophilized protein is stable for 1 year at -20°C to -80°C. Store reconstituted protein in working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

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