

SCGF- α , human recombinant protein
Stem Cell Growth Factor-alpha
Catalog # PBV10827r**Specification**

SCGF- α , human recombinant protein - Product info

Primary Accession [P21583](#)
Calculated MW **33.9 kDa** KDa

SCGF- α , human recombinant protein - Additional Info

Gene ID	4254
Gene Symbol	SCF
Other Names	
Stem Cell Growth Factor-alpha	
Gene Source	Human
Source	E. Coli
Assay&Purity	SDS-PAGE; $\geq 98\%$
Assay2&Purity2	HPLC;
Recombinant	Yes
Sequence	GHGARGAERE WEGGWGGAQE EEREREALML KHLQEALGLP AGRGDENPAG TVEGKEDWEM EEDQGEESSEE EATPTPSSGP SPSPTPEDIV TYILGRLAGL DAGLHQLHVR LHALDTRVVE LTQGLRQLRN AAGDTRDAVQ ALQEAQGRAE REHGRLEGCL KGLRLGHKCF LLSRDFEAQA AAQARCTARG GSLAQPADRQ QMEALTRYLR AALAPYNWPV WLGVHDDRRAE GLYLFENGQR VSFFAWHRSP RPELGAQPSA SPHPLSPDQP NGGTLENCVA QASDDGSWWD HDCQRRLYYV CEFPF

Target/Specificity
SCGF- α

Application Notes

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Format

Lyophilized powder

Storage

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized with no additives

SCGF- α , human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SCGF- α , human recombinant protein - Images

SCGF- α , human recombinant protein - Background

SCGF alpha and beta are hematopoietic growth factor that exerts 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- α is a 33.9 kDa polypeptide containing 305 amino acid residues.

SCGF- α , human recombinant protein - References

Martin F.H., et al. Cell 63:203-211(1990).
Anderson D.M., et al. Cell Growth Differ. 2:373-378(1991).
Blair H.C., et al. Biochem. Biophys. Res. Commun. 255:778-784(1999).
Han C., et al. Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).