

SCGF- β , human recombinant protein
Stem Cell Growth Factor-beta
Catalog # PBV10828r**Specification**

SCGF- β , human recombinant protein - Product info

Primary Accession [P10721](#)
Calculated MW **25.0 kDa**

SCGF- β , human recombinant protein - Additional Info

Gene ID	3815
Gene Symbol	SCF
Other Names	
Stem Cell Growth Factor-beta	
Gene Source	Human
Source	E. Coli
Assay&Purity	SDS-PAGE; $\geq 98\%$
Assay2&Purity2	HPLC;
Recombinant	Yes
Sequence	MGHGARGAER EWEGGWGGAQ EEEREREALM LKHLQEALGL PAGRGDENPA GTVEGKEDWE MEEDQGEEEE EEATPTPSSG PSPSPTPEDI VTYILGRLAG LDAGLHQLHV RLHALDTRVV ELTQGLRQLR NAAGDTRDAV QALQEAQGRA EREHGRLEGC LKGLRLGHKC FLLSRDFEAQ PSASPHPLSP DQPNGGTLEN CVAQASDDGS WWDHDCQRRL YYVCEFPF

Target/Specificity
SCGF- β

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 from 0.25x PBS and 1mM DTT.

SCGF- β , 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- β , human recombinant protein - Images**SCGF- β , 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- β is a 25.0 kDa polypeptide containing 227 amino acid residues.