

SCF active protein

SCF protein (Mouse)

CATALOG # AAA14382	HOST Mouse
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PRODUCT SYNONYMS

SCF; SCF protein (Mouse); c-Kit Ligand protein; Mast Cell Growth Factor protein; MGF protein; Steel Factor protein; Stem Cell Factor protein; SCF active protein

PRODUCT SPECIFICATIONS

Host	Mouse
Purity/Purification	> 98% pure
Form/Format	Lyophilized from 10mM Na3PO4, pH 6.5.
Concentration	10 ug per vial; lyophilized (varies by lot)
Sequence	RegionofSC Fproteinco rrespondin gtoaminoac idsMKEICGN PVTDNVKDIT KLVANLPNDY MITLNYVAGM DVLPSHCWLR DMVIQLSLSL TTLDDKFSNI SEGLSNYSII DKLGKIVDDL VLCMEENAPK NIKESPKRPE TRSFTPEEFF SIFNRSIDAF KDFMVASDTS DCVLSSTLGP EKDSRVSVTK PFMLPPVA.
Sequence Length	37
Protein Type	Recombinant
Biological Significance	SCF is a hematopoietic growth factor that exerts its activity by signaling through the c-Kit receptor. SCF and c-Kit are essential for the survival, proliferation and differentiation of hematopoietic cells committed to the melanocyte and germ cell lineages. Human SCF manifests low activity on Mouse cells, while Mouse and rat SCF are fully active on human cells.
Bioactivity	The ED50 as determined by the dose-dependent stimulation of the proliferation of the human TF-1 cells is 1 x 10 ⁵ units/mg.
Endotoxin Levels	Endotoxin level is less than 0.1 ng per ug (1 EU/ug).
Expression System	E Coli
Preparation and Storage	Store at 4 degree C until reconstitution. Following reconstitution aliquot and freeze at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for SCF active protein	Purified recombinant Mouse SCF protein
Product Categories/Family for SCF active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	1246100
NCBI GeneID	4254
Molecular Weight	18.3 kDa
NCBI Official Full Name	stem cell factor, partial

NCBI Official Synonym Full Names	KIT ligand
NCBI Official Symbol	KITLG
NCBI Official Synonym Symbols	SF; MGF; SCF; FPH2; FPHH; KL-1; Kitl; SHEP7
NCBI Protein Information	kit ligand
UniProt Protein Name	Kit ligand
UniProt Gene Name	KITLG
UniProt Synonym Gene Names	MGF; SCF; MGF; SCF; sKITLG
UniProt Entry Name	SCF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/mouse-active-protein/scf/14382>