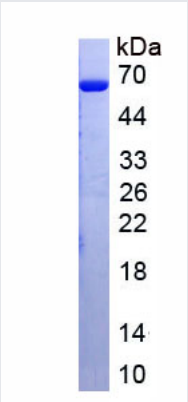
Stem Cell Factor (SCF) Eukaryotic Protein

PRODUCT OVERVIEW

Product Name	Stem Cell Factor (SCF), Protein
Full Product Name	Eukaryotic Stem Cell Factor (SCF)
Product Gene Name	SCF protein
Product Synonym Names	Stem Cell Factor; SCF recombinant protein (eukaryotic,293F cell), Human; KITLG; MGF; SF; KL1; Kitl; FPH2; Kit-Ligand; Steel Factor; Mast Cell Growth Factor; Steel factor; Familial Progressive Hyperpigmentation 24
Sequence	Glu26~Ala1 89
Host	293F cell
Form/Format	Freeze-dried powder; PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Purity/Purification	Greater than 90% by SDS-PAGE
Preparation and Storage	Store at 2-8 degree C for one month, -80 degree C for 12 months
Molecular Weight	273
Chromosome Location	Chromosome: 12; NC_000012.11 (88886570..88974250, complement). Location: 12q22
OMIM	145250
3D Structure	ModBase 3D Structure for P21583
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Species	Human
Expression System	Eukaryotic expression
Tag	N-terminal His Tag and C-terminal Fc Region of Human IgG1
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Isoelectric Point	4.8
Subcellular Location	Membrane, Plasma, Secreted, Cytoplasm
Research Area	Cytokine, Hematology
Product Categories/Family for SCF protein	Eukaryotic proteins
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for SCF protein	Positive Control, Immunogen, SDS-PAGE, Western Blot (WB)
Related Product Information for SCF protein	MBS2162491 is a protein targeting SCF. Also known as Eukaryotic Stem Cell Factor (SCF). Host: 293F cell.
Other Notes	Small volumes of SCF protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-PAGE of SCF protein
Figure. SDS-PAGE

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SCF. It may not necessarily be applicable to this product.

NCBI GI #	4505175
NCBI GeneID	4254
NCBI Accession #	NP_000890.1
UniProt Primary Accession #	P21583
UniProt Secondary Accession #	Q16487; Q68DZ2; Q7M4N8; Q9UQK7; A0AV09; A8K2Q4; B7ZLM4
UniProt Related Accession #	P21583
GenBank Nucleotide #	NM_000899.4
NCBI Official Full Name	kit ligand isoform b
NCBI Official Synonym Full Names	KIT ligand
NCBI Official Symbol	KITLG
NCBI Official Synonym Symbols	SF; MGF; SCF; FPH2; KL-1; Kitl; SHEP7
UniProt Protein Name	Kit ligand
UniProt Synonym Protein Names	Mast cell growth factor; MGF; Stem cell factor; SCF; c-Kit ligand
Protein Family	Kit ligand
UniProt Gene Name	KITLG
UniProt Synonym Gene Names	MGF; SCF; MGF; SCF; sKITLG
UniProt Entry Name	SCF_HUMAN
NCBI Protein Information	kit ligand; c-Kit ligand; steel factor; stem cell factor; mast cell growth factor; familial progressive hyperpigmentation 2
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

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