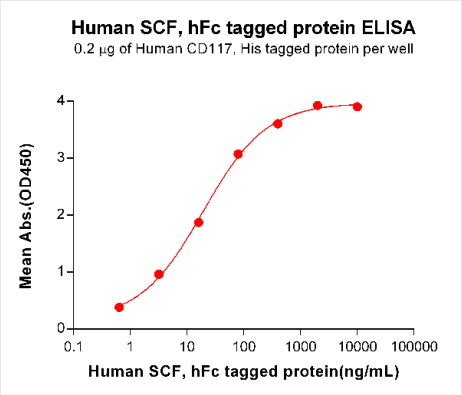
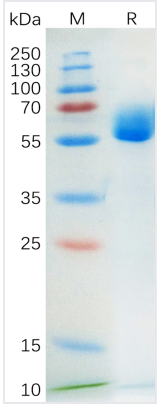
SCF Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	SCF, Recombinant Protein
Full Product Name	Human SCF Protein, hFc Tag
Product Gene Name	SCF recombinant protein
Product Synonym Names	DCUA; DFNA69; FPH2; FPHH; Kitl; KL-1; MGF; SCF; SF; SHEP7; SLF
Sequence	SCF (Glu26-His 214)+hFc (Glu99-Ala 330)
Host	HEK293 cells
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose is added as protectants before lyophilization.
Purity/Purification	>95%; affinity purification
Preparation and Storage	Store at -80 degree C for 12 months (Avoid repeated freezing and thawing)
Molecular Weight	273
Chromosome Location	Chromosome: 12; NC_000012.11 (88886570..88974250, complement). Location: 12q22
OMIM	145250
3D Structure	ModBase 3D Structure for P21583
Species	Human
Tag	C-Human Fc tag
Reconstitution	Reconstitute with deionized water
Related Product Information for SCF recombinant protein	This gene encodes the ligand of the tyrosine-kinase receptor encoded by the KIT locus. This ligand is a pleiotropic factor that acts in utero in germ cell and neural cell development, and hematopoiesis, all believed to reflect a role in cell migration. In adults, it functions pleiotropically, while mostly noted for its continued requirement in hematopoiesis. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Other Notes	Small volumes of SCF recombinant 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.
Searchable Terms for SCF purchase	MBS188745 is a recombinant protein targeting SCF. Also known as Human SCF Protein, hFc Tag. Host: HEK293 cells.



ELISA (EIA) of SCF recombinant protein
Figure 1. Human SCF Protein, hFc Tag on SDS-PAGE under reducing condition.



SDS-Page of SCF recombinant protein
Figure 1. Human SCF Protein, hFc Tag on SDS-PAGE under reducing condition.

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	SCF-associated factor
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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