

SCF recombinant protein

mouse SCF, 26-189aa, mouse, E Coli

CATALOG # AAA11748	HOST E Coli	APPLICATIONS SDS-Page
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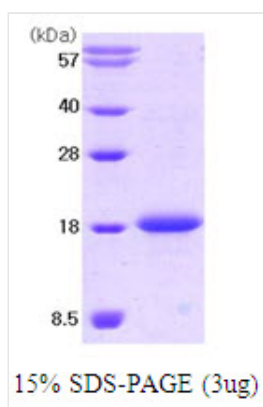
PRODUCT SYNONYMS

SCF; mouse SCF; 26-189aa; mouse; E Coli; Stem cell factor; glycosylation inhibiting factor (GIF); GLIF; MMIF; Kitt; Clo; Con; contrasted; Gb; Kitlg; Mgf; SF; Sl; SLF; Steel; SCF recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In phosphate buffer saline (pH 7.4) containing 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MKEICGNPVT DNVKDITKLV ANLPNDYMIT LNYVAGMDVL PSHCWLRDMV IQLSLSLTTL LDKFSNISEG LSNYSIIDKL GKIVDDLVL MEENAPKNIK ESPKRPETRS FTPEEFFSIF NRSIDAFKDF MVASDTSDCV LSSTLGPEKD SRVSVTKPFM LPPVA
Sequence Length	273
Applicable Applications for SCF recombinant protein	SDS-PAGE
Antigen Species	Human
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for SCF recombinant protein	Stem Cell Factor (SCF) is a glycoprotein that plays a key role in hematopoiesis acting both as a positive and negative regulator, often in synergy with other cytokines. SCF binds to and activates the SCF receptor (SCFR), a receptor tyrosine kinase. SCF stimulates the proliferation of mast cells and is able to augment the proliferation of both myeloid and lymphoid hematopoietic progenitors in bone marrow culture. It also mediates cellcell adhesion and acts synergistically with other cytokine. Recombinant mouse SCF was expressed in E. coli and purified by conventional column chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer
Product Categories/Family for SCF recombinant protein	Hormones & Cytokines
References	Zhang Z., et al. (2000). Proc. Natl. Acad. Sci. u.S.A. 97, 7732.; Okada S, et al. (1992). Nippon Rinsho, 50, 1872.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	7305267
NCBI GeneID	17311
NCBI Accession #	NP_038626
NCBI GenBank Nucleotide #	NM_013598.3
UniProt Accession #	P20826; P97332; Q3TNJ7; Q62524; Q64222; Q921N5
Molecular Weight	18 kDa (165 aa), confirmed by MALDI-TOF.
NCBI Official Full Name	kit ligand isoform 1
NCBI Official Synonym Full Names	kit ligand
NCBI Official Symbol	Kitl
NCBI Official Synonym Symbols	Gb; SF; Sl; Clo; Con; Mgf; SCF; SLF; blz; Kitlg; contrasted
NCBI Protein Information	kit ligand
UniProt Protein Name	Kit ligand
UniProt Gene Name	Kitlg
UniProt Synonym Gene Names	Kitl; Mgf; Sl; Slf; MGF; SCF; sKITLG

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.