

Stem Cell Factor (SCF) Recombinant Protein | SCF recombinant protein

Recombinant Stem Cell Factor (SCF)

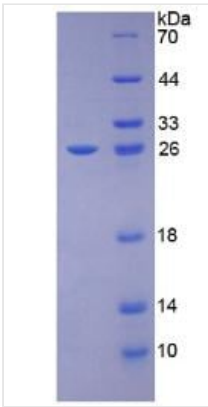
CATALOG # AAA133875	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
-------------------------------	-----------------------	---

PRODUCT SYNONYMS

Stem Cell Factor (SCF); Recombinant Stem Cell Factor (SCF); SCF recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Sequence	Thetargetp roteinisfu sedwithN-t erminalHis -Tag,itsse quenceisli stedbelow. MGHHHH HHSGS-EICR NPVTDNVKDI TKLVANLPND YMITLNYVAG MDVLPSHCWL RDMVTHLSVS LTTLLDKFSN ISEGLSNYSI IDKLGKIVDD LVACMEENAP KNVKESLKKP ETRNFTPEEF FSIFNRSIDA FKDFMVASDT SDCVLSSTLG PEKDSRVSVT KPFMLPPVAA SSLRNDSSSS NRKAAKSPED PGLQWTAMAL PALISLVIGF AFGALYWKKK QSSLTRAVERN IQINEEDNE
Sequence Length	273
Applicable Applications for SCF recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Rattus norvegicus (Rat)
Expression System	Prokaryotic expression
Residues	Glu27~Glu259 (Accession # P21581) with N-terminal His-Tag
Subcellular Location	Cell membrane; Single-pass type I membrane protein.
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Predicted Isoelectric Point	5.8
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition.



EICR NPVTDNVKDI TKLVANLPND
YMITLNYVAG MDVLPSCWNL RDMVTHLSVS LTTLDDKFSN ISEGLSNYSI
IDKLGKIVDD LVACHEENAP KNVKESLKKP ETRNFTPEEF FSIFNRSIDA
FKDFMVASDT SDCVLSSTLG PEKDSRVSVT KPFMLPPVAA SSLRNDSSSS
NRKAAKSPED PGLQWTAMAL PALISLVIGF AFGALYWKKK QSSLTRAVEN
IQINEEDNE

Sequence

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	33667068
NCBI GeneID	60427
NCBI Accession #	NP_068615.1
NCBI GenBank Nucleotide #	NM_021843.4
UniProt Accession #	P21581; Q9QWZ4; Q9Z2E7
Molecular Weight	27.1kDa
NCBI Official Full Name	kit ligand isoform 1
NCBI Official Synonym Full Names	KIT ligand
NCBI Official Symbol	Kitlg
NCBI Official Synonym Symbols	Mgf; SCF; Kitl
NCBI Protein Information	kit ligand; C-kit ligand; stem cell factor KL-1; mast cell growth factor; steel factor/kit ligand; hematopoietic growth factor KL
UniProt Protein Name	Kit ligand
UniProt Gene Name	Kitlg
UniProt Synonym Gene Names	Kitl; Mgf; MGF; SCF; SKITLG
UniProt Entry Name	SCF_RAT

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.