

## Product datasheet for **TP723397**

### SCF (KITLG) (NM\_000899) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human KIT ligand (KITLG), transcript variant b.
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MEGICRNRVT NNVKDVTKLV ANLPKDYMIT LKYVPGMDVL PSHCWISEMV VQLSDSLTDL LDKFSNISEG LSNYSIIDKL VNIVDDLVEC VKENSSKDLK KSKFSPEPRL FTPEEFFRIF NRSIDAFKDF VVASETSDCV VSSTLSPEKD SRVSVTKPFM LPPVA
Tag:	Tag Free
Predicted MW:	18.4 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	ED50 as determined by the dose-dependent stimulation of the proliferation of human TF-1 cells is less than or equal to 2.0 ng/ml, corresponding to a specific activity of > 5 x 10 <sup>5</sup> units/mg.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_000890</a>
Locus ID:	4254
UniProt ID:	<a href="#">P21583</a>
RefSeq Size:	5435
Cytogenetics:	12q21.32
RefSeq ORF:	819
Synonyms:	DCUA; DFNA69; FPH2; FPHH; Kitl; KL-1; MGF; SCF; SF; SHEP7; SLF



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**Summary:**

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]

**Protein Families:**

Druggable Genome, Transmembrane

**Protein Pathways:**

Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Melanogenesis, Pathways in cancer

**Product images:**