

Product datasheet for **TP723730**

SCF (KITLG) (NM_000899) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human KIT ligand (KITLG / SCF), transcript variant b
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Human SCF, the region of Glu26-Ala189, from gene Accession# NM_000899.4
Tag:	Tag Free
Predicted MW:	18.6 kDa
Concentration:	lot specific
Purity:	>98%, as determined by Coomassie stained SDS-PAGE.
Buffer:	1 x PBS
Bioactivity:	The ED50 is 3 -12 ng/ml, corresponding to a specific activity of 0.8 - 3.3 x 10 ⁵ units/mg, determined by TF-1 cell proliferation induced in a dose dependent manner.
Endotoxin:	Less than 0.01 ng per µg protein as determined by the LAL method
Storage:	Store at -80°C.
Stability:	Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
RefSeq:	NP_000890
Locus ID:	4254
UniProt ID:	P21583 , A0A024RBC0
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