



## Human KITLG peptide (DAG329)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant Human Stem Cell Factor is a single, non-glycosylated, polypeptide chain containing 165 amino acids and having a molecular weight of 18,409 Da. The sequence of the first five N-terminal amino acids was determined to be Met-Glu-Gly-Ile-Cys. Contains
<b>Antigen Description</b>	Stem Cell Factor (also known as SCF, kit-ligand, KL, or steel factor) is a cytokine that binds to the c-Kit receptor (CD117). SCF can exist both as a transmembrane protein and a soluble protein. This cytokine plays an important role in hematopoiesis (formation of blood cells), spermatogenesis, and melanogenesis.
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	The ED <sub>50</sub> as determined by the dose-dependent stimulation of Human TF-1 cells is and 1.2 ng/ml, corresponding to a specific activity of 2 x 10 <sup>5</sup> IU/mg. Each laboratory should determine an optimum working titer for use in its particular application. Other appli
<b>Format</b>	Purified, Lyophilized; Reconstitute using sterile deionized water to a concentration 100 µg/ml. Further dilutions can be made in other aqueous buffers.
<b>Concentration</b>	1 mg/ml (OD <sub>280nm</sub> , E <sub>0.1%</sub> = 0.52) (prior to lyophilization)
<b>Buffer</b>	Lyophilized from 10mM Acetic acid
<b>Preservative</b>	None
<b>Storage</b>	2-8°C short term, -20°C long term

### BACKGROUND

**Introduction** 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]

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<b>Keywords</b>	KITLG; KIT ligand; SF; MGF; SCF; FPH2; KL-1; Kitl; SHEP7; kit ligand; c-Kit ligand; steel factor; stem cell factor; mast cell growth factor; familial progressive hyperpigmentation 2;
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## GENE INFORMATION

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<b>Entrez Gene ID</b>	<a href="#">4254</a>
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<b>UniProt ID</b>	<a href="#">P21583</a>
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