

## Bioactive

# KITLG (Human) Recombinant Protein

Catalog # P7148      Size 10 ug

## Applications

### Result of bioactivity analysis

#### Result of bioactivity analysis

□

## Specification

<b>Product Description</b>	Human KITLG (P21583-1, 26 a.a. - 189 a.a.) partial recombinant protein expressed in <i>Pichia pastoris</i> .
<b>Sequence</b>	EGICRNRVTNNVKDVTKLVANLPKDYMILKY/PGMDVLPSHCWISEMVVQLSDS LTDLLDKFSNI SEGLSNYSIIDKLVNIVDDLVECVKENSSKDLKKSFKSPEPRLFTPEEFFRIFNRSIDAFKDFVVAS ETSDCVVSSTLSPEKDSRVSVTKPMLPPVA
<b>Host</b>	Yeast
<b>Theoretical MW (kDa)</b>	20
<b>Form</b>	Lyophilized
<b>Preparation Method</b>	<i>Pichia pastoris</i> expression system
<b>Purity</b>	> 95% by SDS-PAGE
<b>Endotoxin Level</b>	< 1 EU per 1 ug of protein (determined by gel clotting method)
<b>Activity</b>	The ED <sub>50</sub> was determined by the dose-dependent stimulation of human TF-1 cells is < 2.0 ng/ml, corresponding to a specific activity of > 5 x 10 <sup>5</sup> IU/mg.
<b>Storage Buffer</b>	Lyophilized from sterile distilled Water up to 100 ug/ml

<b>Storage Instruction</b>	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
----------------------------	---

<b>Note</b>	Result of bioactivity analysis Result of bioactivity analysis
-------------	--

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — KITLG

Entrez GeneID	<a href="#">4254</a>
Protein Accession#	<a href="#">P21583-1</a>
Gene Name	KITLG
Gene Alias	DKFZp686F2250, KL-1, Kitl, MGF, SCF, SF, SHEP7
Gene Description	KIT ligand
Omim ID	<a href="#">184745</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene 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]
Other Designations	mast cell growth factor steel factor stem cell factor

## Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Hematopoietic cell lineage](#)
- [Melanogenesis](#)

- [Pathways in cancer](#)

## Disease

- [Asthma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Infertility](#)
- [Neoplasms](#)
- [Testicular Neoplasms](#)
- [Vitiligo](#)