

Bioactive

KITLG (Human) Recombinant Protein

Catalog # P7148

Size 10 ug

Applications

Result of bioactivity analysis

Result of bioactivity analysis

□

Specification

Product Description	Human KITLG (P21583-1, 26 a.a. - 189 a.a.) partial recombinant protein expressed in <i>Pichia pastoris</i> .
Sequence	EGICRNRVTNNVKDVTKLVANLPKDYMITLKYPGMDVLP SHCWISEMVVQLSDSLTDLLDKFSNI SEGLSNYSIIDKLVNVDLVECVKENSSKDLKKSFKSPEPRLFTPEEFFRIFNRSIDAFKDFVVAS ETSDCVVSSTLSPEKDSRVSVTKPFMLPPVA
Host	Yeast
Theoretical MW (kDa)	20
Form	Lyophilized
Preparation Method	<i>Pichia pastoris</i> expression system
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by gel clotting method)
Activity	The ED ₅₀ 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 ⁵ IU/mg.
Storage Buffer	Lyophilized from sterile distilled Water up to 100 ug/ml

Storage Instruction

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.

Note

Result of bioactivity analysis
Result of bioactivity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — KITLG

Entrez GeneID[4254](#)**Protein Accession#**[P21583-1](#)**Gene Name**

KITLG

Gene Alias

DKFZp686F2250, KL-1, Kitl, MGF, SCF, SF, SHEP7

Gene Description

KIT ligand

Omim ID[184745](#)**Gene Ontology**[Hyperlink](#)**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](#)