

Bioactive

KITLG (Human) Recombinant Protein

Catalog # P9181

Size 2 x 10 ug

Specification

Product Description	Human KITLG recombinant protein with His tag in C-terminus expressed in insect cells.
Host	insect
Theoretical MW (kDa)	18.4
Specificity	SCF Human, Sf9
Form	Lyophilized
Preparation Method	Insect cell expression system
Purification	chromatographic
Purity	> 98% as determined by SDS-PAGE.
Activity	ED ₅₀ is 1-5 ng/mL, measured by the dose-dependent stimulation of Human TF-1 cells.
Storage Buffer	Lyophilized from 1X PBS solution, pH7.4. Reconstitute the lyophilized powder in 10 mM acetic acid to 100 ug/mL.
Storage Instruction	Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4 °C for 2-7 days and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- Functional Study

Gene Info — KITLG

Entrez GeneID	4254
Protein Accession#	P21583
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](#)