Bioactive

# KITLG (Canine ) Recombinant Protein

Catalog # P9183 Size 2 x 10 ug

## Specification

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| **Product Description** | Canine KITLG recombinant protein expressed in *Escherichia coli*. |
| **Sequence** | KGICGKRVTDDVKDVTKLVANLPKDYKIALKYVPGMDVLPSHCWISVMVEQLSVSLTDLLDKFSNI SEGLSNYSIIDKLVKIVDDLVECTEGYSFENVKKAPKSPELRLFTPEEFFRIFNRSIDAFKDLETVAS KSSECVVSSTLSPDKDSRVSVTKPFMLPPVA |
| **Host** | Escherichia coli |
| **Theoretical MW (kDa)** | 18.4 |
| **Specificity** | SCF Canine |
| **Form** | Lyophilized |
| **Preparation Method** | *Escherichia coli* expression system |
| **Purification** | chromatographic |
| **Purity** | > 97% as determined by HPLC and SDS-PAGE. |
| **Activity** | $ED_{50}$ < 2.0 ng/mL, measured by the dose-dependent stimulation of the proliferation of human TF-1 cells, corresponding to a specific activity of 5 x $10^6$ IU/mg. |
| **Storage Buffer** | Lyophilized from a solution containing 1X PBS, pH 7.4. Reconstitute the lyophilized powder in dd$H_2O$ 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).<br>Avoid repeated freeze/thaw cycles. |

## Applications

- Functional Study

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## Gene Info — KITLG

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|---|---|
| **Entrez GeneID** | 403507 |
| **Protein Accession#** | Q06220 |
| **Gene Name** | KITLG |
| **Gene Alias** | 710-712, CSF, MGF |
| **Gene Description** | KIT ligand |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | CSF |
| **Other Designations** | c-kit ligand\|mast cell growth factor\|stem cell factor, CSF |

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