

## Recombinant Human KITLG Protein

| Catalog #                 | Source  | Reactivity | Applications        |
|---------------------------|---|------------|---------------------|
| CRP1848                   | E. coli   | Human      | E, WB, SDS-PAGE, MS |
| <b>Description</b>        | Recombinant Human KITLG Protein is produced by E. coli. It is a single non-glycosylated polypeptide chain containing 165 amino acids with a molecular mass of 18.4 kD.  |            |                     |
| <b>Form</b>               | Lyophilized from a 0.2 $\mu$ M filtered solution of 20mM PB, 150mM NaCl, pH 7.0.  |            |                     |
| <b>Gene Symbol</b>        | KITLG   |            |                     |
| <b>Alternative Names</b>  | MGF; SCF; Kit ligand; Mast cell growth factor; MGF; Stem cell factor; SCF; c-Kit ligand   |            |                     |
| <b>Entrez Gene</b>        | 4254 (Human)  |            |                     |
| <b>SwissProt</b>          | P21583 (Human)  |            |                     |
| <b>Purity</b>             | Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.   |            |                     |
| <b>Chemical Structure</b> | MEGICRNRVT NNVKDVTKLV ANLPKDYMIT LKYVPGMDVL PSHCWISEMV VQLSDSLTDL LDKFSNISEG LSNYSIIDKL VNIVDDLVEC VKENSSKDLK KSKSPEPRL FTPEEFFRIF NRSIDAFKDF VVASETSDCV VSSTLSPEKD SRVSVTKPFM LPPVA  |            |                     |
| <b>Quality Control</b>    | Endotoxin: Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.  |            |                     |
| <b>Directions for Use</b> | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |            |                     |
| <b>Storage/Stability</b>  | Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.   |            |                     |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

### COHESION BIOSCIENCES LIMITED

**WEB**  
www.cohesionbio.com

**ORDER**  
order@cohesionbio.com

**SUPPORT**  
techsupport@cohesionbio.com

**CUSTOM**  
custom@cohesionbio.com