

Bioactive

Kitl (Mouse) Recombinant Protein

Catalog # P5931

Size 10 ug, 100 ug, 50 ug

Specification

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| Product Description | Mouse Kitl (182 a.a.) partial recombinant protein with His tag expressed in Barley grain (<i>Hordeum vulgare</i>). This protein is endotoxins-free and thus optimal to use in stem cell cultures. |
| Host | Plants |
| Theoretical MW (kDa) | 20.6 |
| Reactivity | Mouse |
| Form | Lyophilized |
| Preparation Method | <i>Hordeum vulgare</i> (barley) expression system |
| Purification | Chromatography |
| Purity | > 95% by SDS-PAGE |
| Endotoxin Level | Endotoxin level is less than 0.005ng per ug (0.05EU/ug) as measured by LAL assay. |
| Activity | Activity has been measured by cell-based proliferation assay using TF-1 cells. The ED ₅₀ is typically < 12 ng/mL. |
| Storage Buffer | Lyophilized from PBS, pH 7.2 |
| Storage Instruction | Store at -20°C. Aliquot to avoid repeated freezing and thawing. |
| Note | Result of activity analysis |

Applications

- Western Blot (Recombinant protein)
- Functional Study

- SDS-PAGE

Gene Info — Kitl

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| Entrez GeneID | 17311 |
| Gene Name | Kitl |
| Gene Alias | Clo, Con, Gb, Kitlg, Mgf, SCF, SF, SLF, SI, Steel, contrasted |
| Gene Description | kit ligand |
| Gene Ontology | Hyperlink |
| Other Designations | OTTMUSP00000022753 Steel factor cloud gray grizzle-belly mast cell growth factor stem cell fact or |