

Product datasheet for **DA3511XC**

KITLG / SCF (His-tag) Human Protein

Product data:

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|------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | KITLG / SCF (His-tag) human recombinant protein, 20 µg |
| Species: | Human |
| Expression Host: | Insect |
| Tag: | His-tag |
| Predicted MW: | 18.4 kDa |
| Purity: | >95% 95% by SDS-PAGE and visualised by silver stain |
| Buffer: | Presentation State: Purified State: Lyophilized purified protein Buffer System: PBS, pH 7.4, without stabilizer |
| Bioactivity: | Biological: Measured in a cell proliferation assay using TF 1 human erythroleukemic cells [Kitamura T et al, J Cell Physiol, 1989]. The ED50 for this effect is typically 1-5 ng/ml. |
| Endotoxin: | < 0.1 ng per µg of SCF |
| Reconstitution Method: | Restore in water to a concentration of 0.1 mg/ml. This solution can be diluted in water or other buffer solutions or stored at -20°C. |
| Preparation: | Lyophilized purified protein |
| Protein Description: | Recombinant Human Stem Cell Factor (SCF) His-tag. Soluble Stem Cell Factor (SCF), a 18.4kDa protein consisting of 165 amino acid residues (Glu26-Ala190) and fused to a C-terminal His-tag (6x His). |
| Storage: | Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| RefSeq: | NP_000890 |
| Locus ID: | 4254 |
| UniProt ID: | P21583 , A0A024RBC0 |
| Cytogenetics: | 12q21.32 |



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Synonyms: DCUA; DFNA69; FPH2; FPHH; Kitl; KL-1; MGF; SCF; SF; SHEP7; SLF

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, Jul 2008]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Melanogenesis, Pathways in cancer

Product images:

