

# Human SCF Recombinant Protein



RPPB0949

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## Product Information    Protein Information

**Product SKU:**

RPPB0949

**Accession:**

P21583

**Host:**

Sf9, Insect Cells.

**Protein description:**

Stem Cell Factor Human Recombinant produced in insect cells is a single, glycosylated polypeptide chain containing 165 amino acids and having a molecular mass of 18409 Dalton. The SCF is fused to a C-terminal His-tag (6xHis) and purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Kit ligand Precursor, C-kit ligand, SCF, Mast cell growth factor, MGF, SF, KL-1, Kitl, DKFZp686F2250.

**Formulation:**

The protein is supplied in 1xPBS, pH 7.4.

**Purity:**

Greater than 98.0% as determined by analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Stem Cell Factor in 10mM acetic acid not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized KIT ligand although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution SCF should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Biological Activity:**

The ED50 as determined by the dose-dependent stimulation of Human TF-1 cells is typically 1-5 ng/ml.