

## Stem Cell Factor Human Recombinant, Sf9

<b>Item Number</b>	rAP-2470
<b>Synonyms</b>	Kit ligand Precursor, C-kit ligand, SCF, Mast cell growth factor, MGF, SF, KL-1, Kitl, DKFZp686F2250.
<b>Description</b>	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.
<b>Uniprot Accession Number</b>	P21583
<b>Amino Acid Sequence</b>	
<b>Source</b>	Sf9, Insect Cells.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
<b>Formulation and Purity</b>	The protein is supplied in 1xPBS, pH 7.4. Greater than 98.0% as determined by analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	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.
<b>Biological Activity</b>	The ED50 as determined by the dose-dependent stimulation of Human TF-1 cells is typically 1-5 ng/ml.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**