

# Recombinant Mouse SCF/c-Kit Ligand Protein

RPES3089

## Description

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This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Protein Information

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**SKU:** RPES3089

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Contents:** 50µg, 10µg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Mouse

**Endotoxin:** < 0.01 EU per µg of the protein as determined by the LAL method.

**Synonyms:** FPH2, Hematopoietic growth factor KL, KIT ligand, KITLG, KL-1, Kitl, MGF, MGFSHEP7, Mast cell growth factor, SCF, SFC-Kit ligand, SLF, Stem cell factor, steel factor

**Storage:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.  
Store Bradford Reagent at Room Temperature for 1 year.

**Tag:** None

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Expression Host:** E.coli

**Bio-Activity:** Measured by the dose-dependent stimulation of TF-1 cells. The ED50 for this effect is 4-12 ng/ml.

**Calculated MW:** 18.4 kDa

**Formulation:** Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

**Observed MW:** 16 kDa

**Reconstitution:** Please refer to the printed manual for detailed information.

**Manufacturers Statement:** This final kit system is assembled and quality-released by Assay Genie Limited.

**Accession:** P20826

**Source:** E.coli-derived Mouse SCF/c-Kit  
Ligand protein Lys26-Ala189

**Sequence:** Lys26-Ala189

**Form:** Lyophilized powder

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Notes:** Centrifuge before opening to ensure complete recovery of vial contents.