

Recombinant Human SCF/c-Kit Ligand Protein

RPES0222

Description

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

SKU: RPES0222

Purity: > 98 % as determined by reducing SDS-PAGE.

Contents: 100µg, 20µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Human

Endotoxin: < 0.1 EU per µg of the protein as determined by the LAL method.

Synonyms: KITLG, Kit Ligand, MGF, Mast Cell Growth Factor, SCF, Stem Cell Factor, c-Kit ligand

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: C-His

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

Expression Host: E.coli

Bio-Activity: Measure by its ability to induce TF-1 cells proliferation. The ED50 for this effect is <5 ng/mL. The specific activity of recombinant human SCF is > 5 x 10⁵ IU/mg.

Calculated MW: 19.4 kDa

Formulation: Lyophilized from sterile 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: 21 kDa

Reconstitution: Please refer to the printed manual for detailed information. Measure by its ability to induce TF-1 cells proliferation. The ED50 for this effect is <5

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

ng/mL. The specific activity of recombinant human SCF is $> 5 \times 10^5$ IU/mg.

Accession: P21583

Source: E.coli-derived Human SCF, c-Kit Ligand protein Glu26-Ala189, with an C-terminal His

Sequence: Glu26-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.