Recombinant Human SCF/c-Kit Ligand Protein

Catalog Number: PKSH033080



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

Description

Synonyms Kit Ligand; Mast Cell Growth Factor; MGF; Stem Cell Factor; SCF; c-Kit

ligand;KITLG;MGF;SCF

SpeciesHumanExpression HostE.coli

Sequence Glu26-Ala189

AccessionP21583Calculated Molecular Weight19.4 kDaObserved molecular weight21 kDaTagC-His

Properties

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

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

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.

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

Formulation Lyophilized from sterile PBS, pH 7.4.

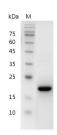
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

Reconstitution Please refer to the printed manual for detailed information.

Data



> 98 % as determined by reducing SDS-PAGE.

Background

Stem Cell Factor (SCF) is a hematopoietic growth factor that exerts its activity at the early stages of hematopoiesis. SCF stimulates the proliferation of myeloid; erythroid; and lymphoid progenitors in bone marrow cultures and has been shown to act synergistically with colony stimulating factors.

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