Recombinant Human SCF/c-Kit Ligand Protein (His Tag)

Catalog No. PKSH033081

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

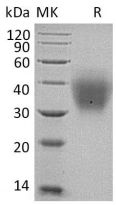
Description

Synonyms	Kit Ligand;Mast Cell Growth Factor;MGF;Stem Cell Factor;SCF;c-Kit ligand;KITLG;MGF;SCF
Species	Human
Expression Host	HEK293 Cells
Sequence	Glu26-His214
Accession	P21583
Calculated Molecular Weight	22.0 kDa
Observed molecular weight	30-50 kDa
Tag	C-His
Bioactivity	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is 2-10 ng/ml.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 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℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 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.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % 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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