

Active Recombinant Human KITLG protein, His-tagged

Cat. No. KITLG-558H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human KITLG protein(Met 1-Ala 189(P21583-1) was expressed in Insect Cells, with a polyhistidine tag at the C-terminus.
Species	Human
Source	Insect Cells
ProteinLength	1-189 aa
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0.
Bio-activity	Measured in a cell proliferation assay using TF1 human erythroleukemic cells (Kitamura, T. et al. 1989, J. CellPhysiol. 140: 323.). The ED 50 for this effect is typically 0.5-3 ng/ml.
Molecular Mass	The secreted recombinant human SCF (aa 1-189) consists of 175 amino acids and predicts a molecular mass of 19.9 kDa. The apparent molecular mass of rh SCF is approximately 22 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 92 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-

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thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name KITLG KIT ligand [Homo sapiens]

Official Symbol KITLG

Synonyms KITLG; KIT ligand; MGF; kit ligand; familial progressive hyperpigmentation 2; FPH2; Kitl; KL 1; mast cell growth factor; SCF; SF; steel factor; stem cell factor; c-Kit ligand; KL-1; SHEP7; kit-ligand; DKFZp686F2250;

Gene ID 4254

mRNA Refseq NM_000899

Protein Refseq NP_000890

MIM 184745

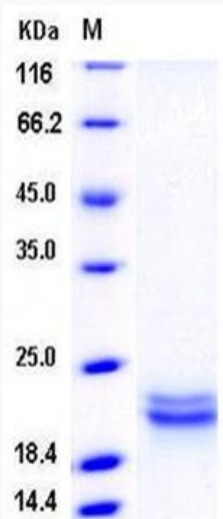
UniProt ID P21583

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SDS-PAGE



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