

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-

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA