

Active Recombinant Human KITLG Protein, His-tagged

Cat. No. KITLG-2584H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human KITLG Protein(NP_000890.1)(Glu26-His214) is expressed in HEK293, fused with a His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	26-214 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.
Bio-activity	1.Measured in a cell proliferation assay using TF-1 Human erythroleukemic cells. The ED50 for this effect is 0.08-0.3 ng/mL. 2.Measured by its binding ability in a functional ELISA. Immobilized recombinant human SCF at 1 µg/mL (100 µL/well) can bind recombinant human CD117 with a linear range of 1-6 ng/mL.
Molecular Mass	21.89 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3

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months, at 2-8°C for up to 1 week.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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](#)

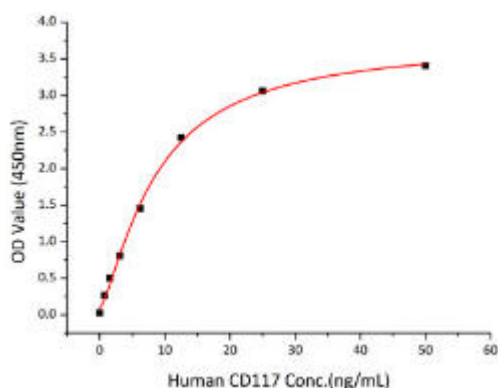
UniProt ID [P21583](#)

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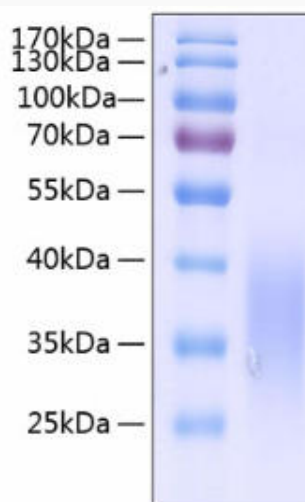
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Activity



SDS-PAGE



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