

Active Recombinant Human KITLG protein, His-tagged

Cat. No. KITLG-2655H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human c-Kit ligand/SCF/KITLG Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu26-His214) of human SCF/C-kit ligand (Accession #NP_000890.1) fused with a 6×His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Glu26-His214
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
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	30-40 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	> 97% by SDS-PAGE.

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Storage Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

Reconstitution Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

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

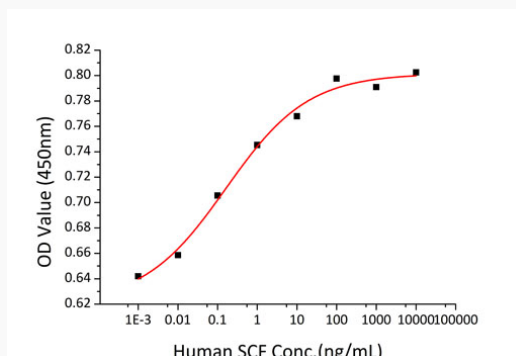
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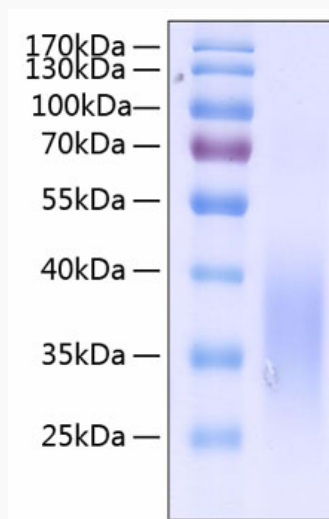
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Bio-activity



SDS-PAGE



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