

Datasheet for ABIN7454164
KIT Ligand Protein (KITLG) (AA 26-189)



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Overview

Quantity:	100 µg
Target:	KIT Ligand (KITLG)
Protein Characteristics:	AA 26-189
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Human SCF Protein
Sequence:	Glu26-Ala189
Characteristics:	Recombinant Human SCF Protein is expressed from E.coli without tag. It contains Glu26-Ala189.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human SCF at 5µg/ml (100µl/well) on the plate. Dose response curve for Human CD117, His Tag with the EC50 of 1.6µg/ml determined by ELISA. See testing image for detail.

Target Details

Target:	KIT Ligand (KITLG)
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Target Details

Alternative Name:	SCF (KITLG Products)
Background:	Kit-ligand (Kitl) also known as steel factor, stem cell factor and mast cell growth factor plays a crucial role in the development and maintenance of the melanocyte lineage in adult skin. Kitl exerts permanent survival, proliferation and migration functions in Kit receptor-expressing melanocytes.
Molecular Weight:	18.45 kDa same as Tris-Bis PAGE result.
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months