

Active Recombinant Pig KITLG protein, His-tagged

Cat. No. KITLG-450P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Pig KITLG protein(Q29030)(25~191 aa), fused with N-terminal His tag, was expressed in HEK293.
Species	Pig
Source	HEK293
ProteinLength	25-191 aa
Form	Lyophilized from sterile PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Bio-activity	Stem cell factor (SCF), also known as mast cell growth factor (MGF), and steel factor (SLF), plays an important role in hematopoiesis, spermatogenesis, and melanogenesis. SCF has been shown to stimulate the proliferation of TF-1 cells. To test this effect, TF-1 cells were seeded into triplicate wells of 96-well plates at a density of 1x10 ⁴ cells/well and incubated for 72h in the presence or absence of various concentrations of SCF at 37°C. The growth of cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10μ of CCK-8 solution was added to each well of the plate, then measure the absorbance at 450nm using a microplate reader after incubating the plate for 1-4 hours at 37°C.
Molecular Mass	20.4kDa

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Endotoxin	<1.0EU per 1µg (determined by the LAL method).
Purity	> 95% as determined by SDS-PAGE.
Storage	Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

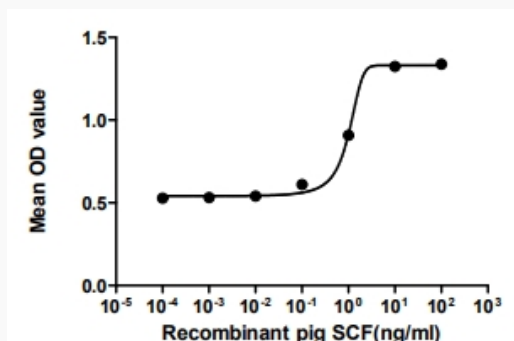
Gene Name	KITLG KIT ligand [<i>Sus scrofa</i>]
Official Symbol	KITLG
Synonyms	KITLG; KIT ligand; kit ligand; MGF; SCF; c-kit ligand; stem cell factor; mast cell growth factor; KITL;
Gene ID	397509
mRNA Refseq	NM_214269
Protein Refseq	NP_999434

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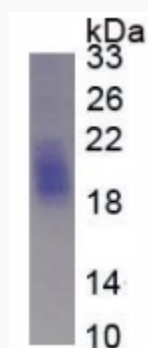
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Activity



SDS-PAGE



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