

## Pig SCF protein, His tag (active)

Cat. No. GTX00337-pro

**Applications** Functional Assay**Species** Pig**Package**

10 µg

## Applications

## Application Note

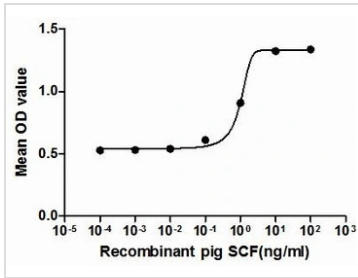
Stem cell factor (SCF), also known as mast cell growth factor (MGF), and steel factor (SLF), plays an important role in hematopoiesis, spermatogenesis, and melanogenesis. SCF has been shown to stimulate the proliferation of TF-1 cells. To test this effect, TF-1 cells were seeded into triplicate wells of 96-well plates at a density of  $1 \times 10^4$  cells/well and incubated for 72h in the presence or absence of various concentrations of SCF at 37°C. Cell proliferation of TF-1 cells after incubation with SCF FOR 72h was observed by inverted microscope.

**Observed MW (kDa)** 20 kDa.

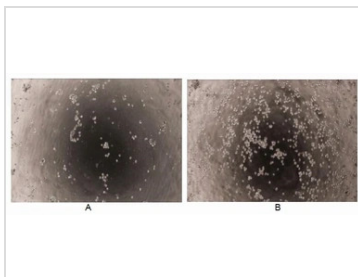
## Properties

**Form** Lyophilized powder**Buffer** Reconstitute with 10mM PBS (pH7.4) to 0.1-1.0mg/ml. Do not vortex. Lyophilized from PBS (pH7.4), 0.01% SKL, 1mM DTT, 5% Trehalose.**Preservative** ProClin 300**Storage** For short-term storage (1-2 weeks), store at 4°C. For long-term storage, store at -20°C or below. After reconstitution, keep as concentrated solution. Avoid freeze-thaw cycles.**Region/Sequence** N-terminal His-Tag; Thr25~Ala191 (NP\_999434.2)**Expression System** HEK293 cells**Purity** > 95%**Endotoxin** < 1 EU/µg**Conjugation** Unconjugated**Note** For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

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**DATA IMAGES**

**GTX00337-pro Functional Assay Image**

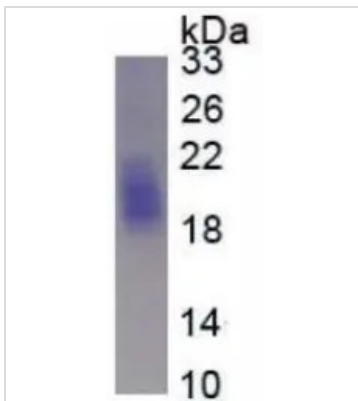
The dose effect curve of GTX00337-pro Pig SCF protein (active) on TF-1 cells. After incubation of Pig SCF protein (active) for 72 hrs, cell proliferation was measured by Cell Counting Kit-8 (CCK-8).


**GTX00337-pro Functional Assay Image**

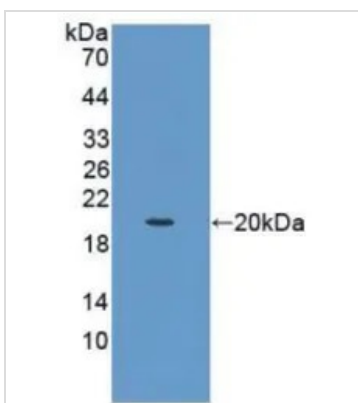
Cell proliferation effect of GTX00337-pro Pig SCF protein (active).

(A) Unstimulated TF-1 cells cultured in RPMI-1640 for 72hrs.

(B) TF-1 cells cultured in RPMI-1640, stimulated with 10 ng/ml SCF for 72hrs.


**GTX00337-pro Image**

SDS-PAGE analysis of GTX00337-pro Pig SCF protein (active).


**GTX00337-pro Image**

WB analysis of GTX00337-pro Pig SCF protein (active).



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