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Product Datasheet

Mouse SCF protein, His tag (active), Unconjugated GTX00323-PRO

Article Name	Mouse SCF protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00323-PRO
Supplier Catalog Number	GTX00323-pro
Alternative Catalog Number	GTX00323-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Mouse
Conjugation	Unconjugated
NCBI	17311
UniProt	P20826
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, ProClin 300.
Expression System	E. coli
Form	Lyophilized powder
Sequence	N-terminal His-Tag, Lys24~Ala219 (NP_001334085.1)

Application Notes

Stem cell factor (also known as SCF, KIT-ligand, KL, or steel factor) is a cytokine that binds to the c-KIT receptor (CD117). SCF can exist both as a transmembrane protein and a soluble protein. This cytokine plays an important role in hematopoiesis (formation of blood cells), spermatogenesis, and melanogenesis. SCF has been shown to stimulate the proliferation of Raw264.7 cells. To test this effect, Raw264.7 cells were seeded into triplicate wells of 96-well plates at a density of 2000 cells/well and allowed to attach later, replaced with serum-free overnight, then the medium was replaced with 2% serum standard DMEM containing various concentrations of recombinant mouse SCF. After incubated for 120h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10 μ l of CCK-8 solution was added to each well of the plate, then the absorbance at 450nm was measured using a microplate reader after incubating the plate for 1-4 hours at 37C. Proliferation of Raw264.7 cells after incubation with SCF for 120h observed by inverted microscope.