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## Product Datasheet

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

Artikelname	Mouse SCF protein, His tag (active), Unconjugated
Artikelnummer	GTX00323-PRO
Hersteller Artikelnummer	GTX00323-pro
Alternativnummer	GTX00323-PRO-10
Hersteller	GeneTex
Kategorie	Proteine/Peptide
Applikation	FA
Spezies Reaktivität	Mouse
Konjugation	Unconjugated
NCBI	<a href="#">17311</a>
UniProt	<a href="#">P20826</a>
Puffer	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
Formulierung	Lyophilized powder
Sequenz	N-terminal His-Tag, Lys24~Ala219 (NP_001334085.1)

Anwendungsbeschreibung	<p>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 µl 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.</p>
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