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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                       | <a href="#">17311</a>                                                                                                                                 |
| UniProt                    | <a href="#">P20826</a>                                                                                                                                |
| Buffer                     | Reconstitute with 10mM PBS (pH7.4) to 0.1-1.0mg/ml. Do not vortex.<br>Lyophilized from PBS (pH7.4), 0.01% SKL, 1mM DTT, 5% Trehalose,<br>ProClin 300. |
| Expression System          | E. coli                                                                                                                                               |
| Form                       | Lyophilized powder                                                                                                                                    |
| Sequence                   | N-terminal His-Tag, Lys24~Ala219 (NP_001334085.1)                                                                                                     |

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| Application Notes | <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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