

SCF, Rat (HEK 293-expressed)

Cat. No.: Z03110-10

Size: 10.0 ug

Synonyms: Stem Cell Factor, c-Kit Ligand, Mast Cell Growth Factor (MGF), Steel Factor

Description:

Stem Cell Factor (SCF) is a hematopoietic growth factor that binds to the c-Kit receptor. SCF exerts its activity during the early stages of hematopoiesis. SCF stimulates the proliferation of myeloid, erythroid, and lymphoid progenitors in bone marrow cultures and has been shown to act synergistically with colony stimulating factors.

Amino Acid Sequence:

00001 QEICRNPVTD NVKDITKLVA NLPNDYMITL NYVAGMDVLP
00041 SHCWL RDMVT HLSVSLTLL DKFSNISEGL SNYSIIDKLG
00081 KIVDDL VACM EENAPKNVKE SLKKPETRNF TPEEFFSIFN
00121 RSIDAFKDFM VASDTSDCVL SSTLGPEKDS RVSVTKPFML
00161 PPVA

Source: HEK 293

Species: Rat

Biological Activity: ED₅₀ < 50 ng/ml, measured in a proliferation assay using TF-1 Cells.

Molecular Weight: 10 20 kDa, observed by reducing SDS-PAGE.

Formulation: Lyophilized after extensive dialysis against PBS.

Reconstitution: Reconstituted in ddH₂O or PBS at 100 µg/ml.

Purity: > 95% as analyzed by SDS-PAGE.

Endotoxin Level: < 0.2 EU/µg, determined by LAL method.

Storage: Lyophilized recombinant Rat Stem Cell Factor (SCF) remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Rat Stem Cell Factor (SCF) should be stable up to 1 week at 4°C or up to 2 months at -20°C.