

SCF, Human Recombinant with C-terminal His-tag

Catalog No.	CRS203A CRS203B CRS203C	Quantity:	2 µg 5 µg 1 mg
Name:	Stem Cell Factor (SCF)		
Alternate Names:	Mast Cell Factor (MGF), Steel-factor (SLF)		
Description:	SCF is a 18.4 kDa protein consisting of 164 amino acid residues (Asp26-Ala189) and fused to a C-terminal His-tag (6x His).		
Source:	Insect cells		
Formulation:	Lyophilized from PBS, pH 7.4.		
Purity:	95% as determined by SDS-PAGE and visualized by silver stain		
Endotoxin Level:	< 0.1 ng/µg of SCF		
Biological Activity:	Determined by the dose-dependent stimulation of the proliferation of human TF-1 cells. The ED ₅₀ is typically 2.0-5.0 ng/ml. The usable range is 0.2-20.0 ng/ml.		
Specific Activity:	5 x 10 ⁵ U/mg		
Reconstitution:	Centrifuge vial prior to opening. Reconstitute in 10 mM acetic acid to a concentration of 0.1-1.0 mg/ml. This solution can be then diluted into other aqueous buffers and stored at 2-4°C for 1 week or at -20°C for future use.		
Storage & Stability:	The lyophilized human SCF, though stable at room temperature, is best stored desiccated below 0°C. Reconstituted human SCF should be stored in working aliquots at -20°C. Avoid repeated freeze-thaw cycles.		

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