

**Product:** Stem Cell Factor-Sf9, human  
**Catalog #:** 11-SCF-H-Sf9  
**Amount:** 5 µg

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**DESCRIPTION:** Recombinant Human SCF-Sf9 (rHuSCF-Sf9)  
rHuSCF-Sf9 is a single, glycosylated polypeptide chain containing 165 amino acids and having a molecular mass of 18409 Dalton  
The sequence of the first five N-terminal amino acids was determined and was found to be Met-Glu-Gly-Ile-Cys

**SOURCE:** *Escherichia coli* expression system

**MOLECULAR WEIGHT:** 18.4 kDa

**PURITY:** > 98%, as determined by:  
(a) Analysis by RP-HPLC.  
(b) Anion-exchange FPLC  
(c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel

**ENDOTOXIN:** < 0.1 ng/µg (IEU/µg) of rHuSCF-Sf9

**DIMERS & AGGREGATES:** < 1% as determined by silver stained SDS-PAGE gel analysis

**PROTEIN CONTENT:** Protein quantitation was carried out by 2 independent methods:  
- UV spectroscopy at 280 nm using the absorbency value of 0.52 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENcomputer analysis program of protein sequences  
- Analysis by RP-HPLC, using a standard solution of HuSCF as a Reference Standard

**FORM:** Purified

**STORAGE:** -20°C (aliquot), avoid freezing and thawing cycles

**BIOLOGICAL ACTIVITY:** rHuSCF-Sf9 is fully biologically active when compared to standard.  
The ED50 as determined by the dose-dependant stimulation of Human TF-1 cells is < 2 ng/ml, corresponding to a Specific Activity of  $5 \times 10^5$  IU/mg

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