

Product: Stem Cell Factor, Rat, Recombinant
Catalog #: 11-SCF-R
Amount: 5 µg

DESCRIPTION: Recombinant Rat Stem Cell Factor (rrSCF)
rrSCF is a single, non-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-Gln-Glu-Ile-Cys

SOURCE: *E.Coli* Expression System

PURITY: Greater than 98.0% 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: Less than 0.1 ng/µg (IEU/µg) of rrSCF

DIMERS & AGREGATES: Less than 1% as determined by silver-stained SDS-PAGE gel analysis

FORM: Purified

PROTEIN CONTENT: Protein quantitation was carried out by two independent methods:
1. UV spectroscopy at 280 nm
2. Analysis by RP-HPLC, using a calibrated solution of rat SCF as a Reference Standard.

STORAGE: -20°C (aliquot), avoid repeated freeze and thaw cycles.

BIOLOGICAL ACTIVITY: rrSCF is fully biologically active when compared to standards
The ED50 is determined by the dose-dependant stimulation of the proliferation of human MO7e cells which is < 10 ng/ml, corresponding to a specific activity of > 1 x 10⁵ units/mg

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