

## PRODUCT DATA SHEET

### Stem Cell Factor Human

**Cat. No.:** RP1762550010

**Size:** 0.01 mg

**Source:** E. coli

**Type:** Recombinant protein

**Species:** Human

#### Description:

Recombinant Human SCF produced in E.Coli is a single, non-glycosylated polypeptide chain containing 164 amino acids and having a molecular mass of 18.4 kDa. The SCF is purified by proprietary chromatographic techniques.

The sequence of the first five N-terminal amino acids was determined and was found to be Met-Glu-Gly-Ile-Cys.

#### 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

#### Endotoxin:

Less than 0.1 ng/Cg (IEU/Cg) of rHuSCF.

#### Formulation:

Lyophilized from a concentrated (1mg/ml) solution in water containing 10mM Acetic acid.

#### Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

#### Storage/Stability:

Lyophilized rHuSCF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution rHuSCF should be stored at 4°C between 2–7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.