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Product Datasheet

Human SCF Protein BYT-ORB428318

Article Name	Human SCF Protein
Biozol Catalog Number	BYT-ORB428318
Supplier Catalog Number	orb428318
Alternative Catalog Number	BYT-ORB428318-1,BYT-ORB428318-10,BYT-ORB428318-2
Manufacturer	Biorbyt
Category	Proteine/Peptide
Product Description	Recombinant of human SCF protein...
Buffer	Lyophilized from a concentrated (1mg/ml) solution in water containing 0.02% NaHCO ₃ .
Purity	Greater than 98.0% as determined by:(a) Analysis by SEC-HPLC.(b) Analysis by SDS-PAGE.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Met-Glu-Gly-Ile-Cys

Application Notes

Solubility: It is recommended to reconstitute the lyophilized Stem Cell Factor in sterile 18MO-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. Biological Activity: The ED₅₀ as determined by the dose-dependant stimulation of Human TF-1 cells is < 2 ng/ml, corresponding to a Specific Activity of 500,000 IU/mg. Application Notes: Protein content: Protein quantitation was carried out by two independent methods¹. 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 GENE computer analysis program of protein sequences (IntelliGenetics). 2. Analysis by RP-HPLC, using a standard solution of Stem Cell Factor as a Reference Standard