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Product Datasheet

Human SDF 1b Protein BYT-ORB429471

Article Name	Human SDF 1b Protein
Biozol Catalog Number	BYT-ORB429471
Supplier Catalog Number	orb429471
Alternative Catalog Number	BYT-ORB429471-1,BYT-ORB429471-10,BYT-ORB429471-2
Manufacturer	Biorbyt
Category	Proteine/Peptide
Product Description	Recombinant of human SDF1 protein...
Buffer	The CXCL12 protein was lyophilized from a concentrated (1mg/ml) sterile solution containing no additives.
Purity	Greater than 98.0% as determined by:(a) Analysis by RP-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 Lys-Pro-Val-Ser-Leu

Application Notes

Solubility: It is recommended to reconstitute the lyophilized Stromal Cell-Derived Factor-1b in sterile 18MO-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. Biological Activity: The specific activity as determined by its ability to chemoattract human peripheral T cells activated with PHA and IL-2 using a concentration of 20-80ng/ml corresponding to a Specific Activity of 12,500-50,000IU/mg. Application Notes: Protein content: Protein quantitation was carried out by two independent methods: 1. UV spectroscopy at 280 nm using the absorbency value of 1.06 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 SDF-1b as a Reference Standard