

# ANTIGENIX AMERICA, INC.

## PRODUCT INFORMATION SUMMARY

### Human SDF1 BETA ( CXCL12)

Purified Factor	Product Number	HC77736B	10 ug
		HC77736A	2 ug

#### DESCRIPTION:

Human Stromal-Cell Derived Factor (SDF-1 Beta or CXCL12, an Alpha chemokine polypeptide with molecular weight of 8.5 kDa, with 72 aa residues. SDF-1 alpha and beta are known to chemoattract B and T lymphocytes, and act on CD34+ stem cells. HIV-suppressive activity with CXCR4 receptor expressing cells is also reported.

**SOURCE:** E. Coli  
Purity > 98% by HPLC analysis  
Endotoxin < 0.1 ng per ug SDF Beta  
Sterile filtered, lyophilized, additive-free

#### BIOLOGICAL ACTIVITY:

**Fully biologically active when compared to standards.**  
Human SDF-1 Beta produced chemotaxis in peripheral T cell assay using IL-2 and PHA activation, in range 20 - 80 ng/mL.

#### HANDLING AND STORAGE:

Purified SDF Beta factor is provided lyophilized. Store lyophilized, at -20° C. **SPIN DOWN** for 30 seconds and reconstitute with sterile or distilled water to a concentration of 100.0 ug/mL, further dilute in buffered medium **containing** 0.1% BSA. Store small aliquots, **with addition of 0.1% BSA**, at -20°C for long-term storage -up to 3 months, at high concentration. AVOID repeat freeze-thaw.

**RESEARCH USE ONLY -NOT for DRUG USE**

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