

ANTIGENIX AMERICA Inc.

## PRODUCT INFORMATION SUMMARY

### Rat SDF1 ALPHA

Purified Factor	Product Number	RC333162B	10.0 ug
	Product Number	RC333162A	2.0 ug

#### DESCRIPTION:

Rat Stromal Cell Derived Factor (SDF-1) Alpha, an Alpha chemokine polypeptide. Both SDF1 alpha and beta signal via CXCR4 receptors and act to chemoattract lymphocytes and stem cells. Rat SDF1 alpha is a protein with molecular weight of 7.9 kDa, with 68 aa residues.

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

#### BIOLOGICAL ACTIVITY:

**Fully biologically active when compared to standards.**

Rat SDF-1 Alpha produced chemotaxis in human peripheral blood monocytes cell assay in range of 100 ng/mL.

**Range** of biologic activity: 50 - 100 ng/mL

#### HANDLING AND STORAGE:

Purified Rat SDF Alpha factor is provided lyophilized. Store lyophilized, at -20° C. Upon reconstitution with distilled or sterile water to a concentration of 100.0 ug/mL, further dilute in **buffered solution**. Store small aliquots at -20° C, with addition of **0.1% BSA**, for long-term storage - up to 3 months, at high concentration.

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

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