



## RECOMBINANT MOUSE SDF-1 ALPHA

|                          |  |                  |       |
|--------------------------|--|------------------|-------|
| <b>CATALOG NUMBER:</b>   | GF128  | <b>QUANTITY:</b> | 10 µg |
| <b>LOT NUMBER:</b>       | xxxxxx   |                  |       |
| <b>DESCRIPTION:</b>      | Stromal Cell-Derived Factor-1 alpha (SDF-1 alpha) is a recently discovered protein belonging to the alpha chemokine (CXC) family of cytokines. Recombinant Mouse SDF-1 alpha is a 7.9 kDa protein containing 68 amino acid residues.   |                  |       |
| <b>SOURCE:</b>           | <i>E. Coli</i>   |                  |       |
| <b>PURITY:</b>           | Greater than 98% by SDS-PAGE and HPLC analysis. Endotoxin level is less than 0.1 ng per µg (1EU/µg) of SDF-1 alpha.  |                  |       |
| <b>ACTIVITY:</b>         | Determined by its ability to chemoattract human peripheral blood monocytes using a concentration of 50-100 ng/ml.  |                  |       |
| <b>PRESENTATION:</b>     | The sterile filtered solution was lyophilized with no additives.   |                  |       |
| <b>STORAGE/HANDLING:</b> | The lyophilized powder is stable for a few weeks at room temperature, but best stored at -20°C for up to 12 months after date of receipt. After a quick spin, reconstitute in water to a concentration of 0.1-1.0 mg/mL. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use. Reconstituted mouse SDF-1 alpha should be stored in undiluted aliquots at -20°C for up to 3-6 months. Avoid repeated freeze/thaw cycles. |                  |       |

**Important Note:** During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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