

CERTIFICATE OF ANALYSIS

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: A42028H **Lot #:** 14J29707

Description: SDF-1a, Recombinant
Recombinant Human Stromal Cell-Derived Factor 1 alpha (SDF-1a)

Recombinant Human SDF-1 is a non-glycosylated polypeptide chain containing 68 amino acids and having a molecular weight of 8,004 Da. The sequence of the first five N-terminal amino acids was determined to be Lys-Pro-Val-Ser-Leu.

Source: E. coli

Format: Purified, Lyophilized

Reconstitute using sterile deionized water to a concentration $\geq 100\mu\text{g/ml}$. Further dilutions can be made in other aqueous buffers.

Purification: >98% pure (RP-HPLC and SDS-PAGE). Purified by chromatographic techniques
Product is sterile filtered.

Concentration: 1mg/ml ($\text{OD}_{280\text{nm}}$, $E^{0.1\%} = 1.06$) (prior to lyophilization)

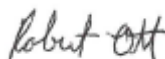
Buffer: Lyophilized from water containing no additives

Preservative: None

Applications: The specific activity is determined by its ability to chemoattract human peripheral T cells activated with PHA and IL-2 using a concentration of 20-80ng/ml. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage: The lyophilized product, though stable for 3 weeks at room temperature, is best stored at -20°C . After reconstitution, short term (up to 1 week) store at $2-8^{\circ}\text{C}$. Long term, add 0.1% HSA or BSA, aliquot and store at -20°C . Avoid multiple freeze/thaw cycles.

Inactivation: Not applicable



Signature

20 Nov 2015

Date

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY