

Recombinant Human SDF-1 α (CXCL12)
Catalog # PBG10403**Specification**

Recombinant Human SDF-1 α (CXCL12) - Product Information**Recombinant Human SDF-1 α (CXCL12) - Additional Information****Description**

SDF-1 α and β are stromal derived CXC chemokines, and signal through the CXCR4 receptor. SDF-1 α and β chemoattract B and T cells, and have been shown to induce migration of CD34+ stem cells. Additionally, the SDF-1 proteins exert HIV suppressive activity in cells expressing the CXCR4 receptor. Recombinant human SDF-1 α is an 8.0 kDa protein containing 68 amino acid residues.

Biological Activity

Determined by its ability to chemoattract human peripheral T cells activated with PHA and IL-2 using a concentration of 20-80 ng/ml.

Authenticity

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin

Endotoxin level is <0.1 ng/ μ g of protein (<1EU/ μ g).

Protein Content

Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage

-20°C

Precautions

Recombinant Human SDF-1 α (CXCL12) is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human SDF-1 α (CXCL12) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Recombinant Human SDF-1 α (CXCL12) - Images

