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Animal-Free Recombinant Human SDF-1α (CXCL12)

Catalog # PBG10546

Specification

Animal-Free Recombinant Human SDF-1α (CXCL12) - Product Information

Animal-Free Recombinant Human SDF-1α (CXCL12) - Additional Information

Description
SDF-1α and β are stromal derived CXC chemokines, and signal through the CXCR4 receptor. SDF-1α 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-1α is an 8.0 kDa protein containing 68 amino acid residues.

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

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

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

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

Storage
-20°C

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

Animal-Free Recombinant Human SDF-1α (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 Cytomety
- Cell Culture

Animal-Free Recombinant Human SDF-1α (CXCL12) - Images

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