

SDF-1 α /SDF-1 β /CXCL12 (22-89), Human, Recombinant**Cat. No. : GPCK123****产品信息**

物种	Human
表达宿主	E.coli
序列信息	Lys22-Lys89
检索号	P48061
分子量	8 kDa
有效期	12 months
生物活性	Loaded Recombinant Human CXCR4 (N-Fc) on Pro-A Biosensor, can bind Recombinant Human CXCL12 (C121) with an affinity constant of 8.4 μ M as determined in BLI assay.

产品特性

内毒素 (EU/ μ g)	< 0.1
保存	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
运输	Ambient temperature or ice pack.
制剂	Lyophilized from a 0.2 μ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
复溶	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

背景介绍

Stromal Cell-Derived Factor-1 (SDF-1) is a Chemokine member of the intercrine family. SDF1 is expressed as five isoforms that differ only in the C terminal tail. SDF1 α and SDF1 β are identical except for the four residues present in the C-terminus of SDF1 β but absent from SDF1 α . SDF1 isoforms interact with CXCR4 and CXCR7 Receptors on the cell surface, and can also bind syndecan4. SDF1 is known to influence lymphopoiesis, regulate patterning and cell number of neural progenitors, and promote angiogenesis. It also enhances the survival of myeloid progenitor cells.

