

## Product Datasheet

### Recombinant Human Stromal Cell Derived Factor 1 alpha (rhSDF1a)

#### Description

Source:	<i>E.coli</i> -derived, purified by proprietary chromatographic techniques Lys22 – Lys89, Accession # P48061-2
Structure/ Form:	non-glycosylated, 69 amino acids
Predicted Molecular Mass:	16 kDa (dimer)

#### Specifications

SDS-PAGE:	15 kDa, non-reducing conditions; 8 kDa, reducing conditions
Activity:	Measured by its ability to chemoattract Jurkat cells. The $K_{0.5}$ is typically 20-40 nM.
Purity:	> 95 %, determined by SDS-PAGE
Formulation:	Lyophilized from a 0.2 $\mu$ m filtered concentrated (100 $\mu$ g/ml) solution in PBS buffer (pH 7.4) containing no additives.

#### Preparation and Storage

Solubility:	It is recommended to reconstitute the lyophilized SDF-1a in sterile H <sub>2</sub> O, which can be further dialyzed to other aqueous solutions.
Shipping:	The product is shipped at ambient temperature. Upon receipt store it immediately at the temperature recommended below.
Stability & Storage:	Please avoid freeze-thaw cycles. <ul style="list-style-type: none"><li>• 2-8 °C: 4 weeks after reconstitution</li><li>• -20 - -70 °C: 3 months after reconstitution</li><li>• -20 - -70 °C: 12 months as supplied</li></ul>

**For research use only.**

**Not for human use.**