

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

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- Trockeneiszuschlag
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DATA SHEET

GFM46

Recombinant Mouse SDF-1 α / CXCL12a

Description

Stromal cell-derived factor-1 α (SDF-1 α), also known as CXCL12a, is one of two SDF-1 splice variants made by a wide variety of cells upon stimulation by inflammatory cytokines such as TNF, IL-1, and LPS. SDF-1 α signals through the G protein-coupled receptor CXCR4 to recruit activated leukocytes. Human and mouse SDF-1 α share 99% sequence identity.

68 aa Length **Molecular Weight** 8.0 kDa Source F. coli **Accession Number** P48061 (2)

≥95% determined by reducing and non-reducing SDS-PAGE **Purity**

Specifications

Alternative Names Monocyte Chemotactic Protein 1, CCL2, JE, MCAF

Biological Activity Mouse SDF-1 α is fully biologically active when compared to standard. The activity is determined by the ability

to induce chemotaxis of human primary T cells.

Endotoxin Level ≤1.00 EU/µg as measured by kinetic LAL

Formulation Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA) **AA Sequence**

KPVSLSYRCP CRFFESHVAR ANVKHLKILN TPNCALQIVA RLKNNNRQVC IDPKLKWIQE YLEKALNK

Preparation and Storage

Reconstitution Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the

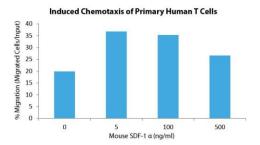
vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/ml, which can be further diluted into other aqueous solutions.

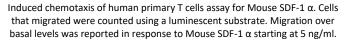
Stability and Storage 12 months from date of receipt when stored at -20°C to -80°C as supplied.

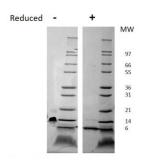
1 month when stored at 4°C after reconstituting as directed.

3 months when stored at -20°C to -80°C after reconstituting as directed.

Data







Non-reducing (-) and reducing (+) conditions in a 4 - 20% Tris-Glycine gel stained with Coomassie Blue. 1 µg of protein was loaded in each lane. Mouse SDF-1 α has a predicted Mw of 8.0 kDa.