
Product Data Sheet

Product Name: BRAK Human
 Cat. No.: GP21070
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	C-X-C motif chemokine 14; Small-inducible cytokine B14; Chemokine BRAK; Bolekine; NJAC; KS1; Kec; BMAC; MIP-2g; SCYB14; CXCL14; BRAK; MGC10687.		
Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Ser-Lys-Cys-Lys-Cys.		
Solubility	It is recommended to reconstitute the lyophilized CXCL14 in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	CXCL14 was lyophilized after extensive dialysis against 20mM Tris-HCl, pH 8.5 and 1M NaCl.		

Introduction

CXCL14 is involved in immunoregulatory and inflammatory processes. BRAK protein is structurally related to the CXC (Cys-X-Cys) subfamily of cytokines. CXCL14 displays chemotactic activity for monocytes but not for lymphocytes, dendritic cells, neutrophils or macrophages. CXCL14 is involved in the homeostasis of monocyte-derived macrophages.

Biological Activity

The ED₅₀ of CXCL14 as determined by its ability to induce calcium flux of prostaglandin E₂ treated THP1 human acute monocytic leukemia cells was 1.0-10.0 ng/ml.

Stability

Lyophilized CXCL14 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution CXCL14 should be stored at 4°C between

Caution: Product has not been fully validated for medical applications. For research use only.

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2-7 days and for future use below -18°C .Please prevent freeze-thaw cycles.

Background

CXCL14 Human Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide chain containing 77 amino acids and having a molecular mass of 9.4kDa. The CXCL14 is purified by proprietary chromatographic techniques.

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