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## Product Data Sheet

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Product Name: BRAK Rat  
 Cat. No.: GP21072  
 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; B-cell and monocyte-activating chemokine; Chemokine BRAK; Kidney-expressed chemokine CXC; MIP-2G; Small-inducible cytokine B14; Cxcl14; Bmac; Kec; Ks1; Mip2g; Scyb14; BRAK; NJAC; AI414372; bolekin; MIP2gamma; 1110031L23Rik; 1200006I23Rik.		
Amino Acid Sequence	SKCKCSRKGP KIRYSDVKKL EMKPKYPHCE EKMVIITTKS MSRYRGQEHC LHPKLQSTKR FIKWYNAWNE KRRVYEE.		
Solubility	It is recommended to reconstitute the lyophilized CXCL14 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	CXCL14 was lyophilized from a 0.2µm filtered concentrated solution in 30% Acetonitrile and 0.1% TFA.		

### 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

Determined by its ability to chemoattract activated monocytes using a concentration range of 1.0-10.0 ng/ml.

### Stability

Lyophilized CXCL14 although stable at room temperature for 3 weeks, should be stored

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

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desiccated below  $-18^{\circ}\text{C}$  . Upon reconstitution CXCL14 should be stored at  $4^{\circ}\text{C}$  between 2-7 days and for future use below  $-18^{\circ}\text{C}$  .Please prevent freeze-thaw cycles.

### Background

CXCL14 Rat 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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