
Product Data Sheet

Product Name: BRAK Human, His

Cat. No.: GP21069

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	MKHHHHHHAS SKCKCSRKGP KIRYSDVKKL EMKPKYPHCE EKMVIITTKS VSRYRGQEHK LHPKLQSTKR FIKWYNWNE KRRVYEE.		
Solubility	It is recommended to reconstitute the lyophilized CXCL14 in sterile 18MΩ-cm H ₂ O not less than 100μg/ml, which can then be further diluted to other aqueous solutions. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.		
Formulation	CXCL14 filtered (0.4μm) and lyophilized from a concentrated (0.5mg/ml) solution containing 20mM Tris buffer & 20mM NaCl pH-7.5.		

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.

Stability

Lyophilized BRAK although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution BRAK should be stored at 4°C between 2-7 days and for future use below -18°C .For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

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

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Background

CXCL14 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 88 amino acids and having a molecular mass of 10.66 kDa. The Human BRAK contains a 10 a.a. fusion His tag at N-Terminus. The BRAK is purified by proprietary chromatographic techniques.

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