9051 Mira Mesa Blvd, #910094
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BRAK Human

BRAK (CXCL14) Human Recombinant
CHK0005

Product Overview

Name	BRAK Human
Description	
BRAK (CXCL14) Human Recombinant	
Accession (Primary)	O95715
Synonyms	
C-X-C motif chemokine 14, Small-inducible cytokine B14, Chemokine BRAK, Bolekine, NJAC, KS1, Kec, BMAC, MIP-2g, SCYB14, CXCL14, BRAK, MGC10687.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
CXCL14 was lyophilized after extensive dialysis against 20mM Tris-HCl, pH 8.5 and 1M NaCl.	
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 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
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.	
Biological Activity	
The ED50 of CXCL14 as determined by its ability to induce calcium flux of prostaglandin E2 treated THP1 human	

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acute monocytic leukemia cells was 1.0-10.0 ng/ml.

Solubility

It is recommended to reconstitute the lyophilized CXCL14 in sterile 18M-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

BRAK Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O95715)