9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

BRAK Human, His

BRAK Human Recombinant (CXCL14), His-Tag
CHK0006

Product Overview

Name	BRAK Human, His
Description	
BRAK Human Recombinant (CXCL14), His-Tag	
Accession (Primary)	O95715
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, bolekine, MIP2gamma, 1110031L23Rik, 1200006I23Rik.	
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 from a 0.2 μm filtered concentrated solution in 20mM PB, pH 7.4 and 500mM 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 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
SKCKCSRKGP KIRYSDVKKL EMKPKYPHCE EKMVIVTTKS MSRYRGQEHC LHPKLQSTKR FIKWYNAWNE KRRVYEE.	

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Biological Activity

The ED 50 of CXCL14 as determined by its ability to chemoattract activated monocytes using a concentration range of 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, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O95715)