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CXCL14
Recombinant Human BRAK / CXCL14

Catalog No.	CRB504B	**Quantity:**	20 µg

Alternate Names: Breast and Kidney Cell Chemokines, MIP-2G, C-X-C motif chemokine 14

Description: Breast and Kidney-expressed chemokine (BRAK) is a CXC chemokine expressed in normal tissue in the absence of inflammatory stimuli, and infrequently expressed in cancer cell lines. BRAK is known to be a highly selective monocyte chemoattractant. However, main function and receptor selectivity is unknown at this time. BRAK contains the four highly conserved cysteine residues present in CXC chemokines. The sequence of the mature protein consists of 87 amino acid residues, and is approximately 30% homologous to the sequences of MIP-2 alpha and beta.

UniProt ID: O95715

Gene ID: 9547

Source: *E. coli*

Molecular Weight: 9.4 kDa (77 aa)

Formulation: Lyophilized without additives

Purity: > 98% as determined by SDS-PAGE and HPLC analyses

Endotoxin Level: < 1 EU/µg

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

Amino Acid Sequence: CKCSRKGP KIRYSDVKKL EMKPKYPHCE EKMVIITTKS VSRYRGQEHC LHPKLQSTKR FIKWYNAWNE KRRVYEE

Reconstitution: **Centrifuge vial prior to opening.** Add sterile water to the vial to a concentration of 0.1 - 1.0 mg/mL. **Do not vortex.** After complete solubilization of the protein, it can be further diluted to other aqueous solutions containing a carrier protein such as 0.1 % BSA.

Storage & Stability: The lyophilized protein is stable at -20°C to -80° for up to 1 year. Reconstituted working aliquots are stable for 1 week at 2-8°C and for 3 months at -20°C to -80°C. **Avoid repeated freeze/thaw cycles.**

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