

Recombinant Murine Breast and Kindey-expressed Chemokine/CXCL14

Catalog No: #AP60340

Package Size: #AP60340-1 5ug #AP60340-2 100ug #AP60340-3 500ug

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Description

Product Name	Recombinant Murine Breast and Kindey-expressed Chemokine/CXCL14
Host Species	Escherichia coli.
Purification	> 95 % by SDS-PAGE and HPLC analyses.
Other Names	B-cell and Monocyte-activating Chemokine, Chemokine BRAK, Kidney-expressed Chemokine CXC, MIP-2G, Small-inducible Cytokine B14
Uniprot	Q9WUQ5
GeneID	57266
Calculated MW	Approximately 9.4 kDa, a single non-glycosylated polypeptide chain containing 77 amino acids.
Target Sequence	SKCKCSRKGP KIRYSDVKKL EMKPKYPHCE EKMVIVTTKS MSRYRGQEHCLHPKLQSTKR FIKWYNWNE KRRVYEE
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, 400 mM NaCl, pH 7.4, 5 % trehalose.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 12 months from date of receipt, -20 to -70 °C as supplied.- 1 month, 2 to 8 °C under sterile conditions after reconstitution.- 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Background

Chemokine (C-X-C motif) ligand 14 (CXCL14), also named BRAK, is a small cytokine belonging to the CXC chemokine family. It is constitutively expressed at the mRNA level in certain normal tissues and it possesses chemoattractive activity for activated macrophages, immature dendritic cells and natural killer cells. According to the relevant literature, CXCL14 is associated with tumor development. Moreover, recent evidence revealed that CXCL14 participates in glucose metabolism, feeding behaviour-associated neuronal circuits, and anti-microbial defense. Although CXCL14 receptors have not yet been identified, the intracellular activity of CXCL14 in breast cancer cells suggests that the CXCL14 receptor(s) and signal transduction pathway(s) may be different from those of conventional CXC-type chemokines. Recombinant murine CXCL14 contains 77 amino acid residues and it shares 97 % and 99 % a.a. sequence identity with human and rat CXCL14.

Note: This product is for in vitro research use only