

BRAK (CXCL14) Rat Recombinant

Item Number	rAP-0118
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, A1414372, bolekin, MIP2gamma, 1110031L23Rik, 1200
Description	CXCL14 Rat Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide chain containing 77 amino acids and having a molecular mass of 9.4kDa. The CXCL14 is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q8K453
Amino Acid Sequence	SKCKCSRKGP KIRYSDVKKL EMKPKYPHCE EKMVIITTKS MSRYRGQEHC LHPKLQSTKR FIKWYNWNE KRRVYEE.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	CXCL14 was lyophilized from a 0.2µm filtered concentrated solution in 30% Acetonitrile and 0.1% TFA. Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized CXCL14 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Determined by its ability to chemoattract activated monocytes using a concentration range of 1.0-10.0 ng/ml.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**