



Synonym

BMAC, BRAK, KEC, KS1, MIP-2g, MIP2G, NJAC, SCYB14

Source

Human CXCL14 Protein, His Tag(CX4-H5143) is expressed from E. coli cells.

It contains AA Ser 35 - Glu 111 (Accession # [O95715](#)).

Predicted N-terminus: Met

Molecular Characterization

Poly-his CXCL14(Ser 35 - Glu 111)
O95715

This protein carries a polyhistidine tag at the N-terminus.

The protein has a calculated MW of 11.4 kDa. The protein migrates as 15 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE).

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in 0.5 M NaCl, 0.5 M Arginine, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

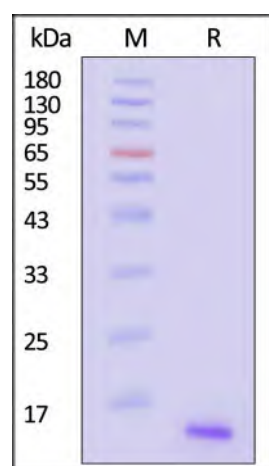
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human CXCL14 Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

Background

This antimicrobial gene belongs to the cytokine gene family which encode secreted proteins involved in immunoregulatory and inflammatory processes. The protein encoded by this gene is structurally related to the CXC (Cys-X-Cys) subfamily of cytokines. Members of this subfamily are characterized by two cysteines separated by a single amino acid. This cytokine displays chemotactic activity for monocytes but not for lymphocytes, dendritic cells, neutrophils or macrophages. It has been implicated that this cytokine is involved in the homeostasis of monocyte-derived macrophages rather than in inflammation.





Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.

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and more!**

