

Recombinant Human CXCL14/BRAK Protein

Catalog No.: RP00348 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	9547	O95715

Tags

No tag

Synonyms

CXCL14;BMAC;BRAK;KEC;KS1;MIP-2g;MIP 2G;NJAC;SCYB14

Product Information

Source	Purification
<i>E. coli</i>	> 95% by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of 20 mM TrisHCl, 1M NaCl, pH 8.5. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

This antimicrobial protein belongs to the cytokine 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.

Basic Information

Description

Recombinant Human CXCL14/BRAK Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ser35-Glu111) of human CXCL14/BRAK (Accession #O95715).

Bio-Activity

Storage

Store the lyophilized protein at -20°C to -80 °C for long term.

After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

Avoid repeated freeze/thaw cycles.

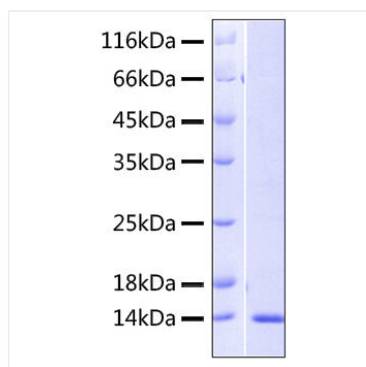
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Validation Data



Recombinant protein Human CXCL14/BRAK was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 14 kDa.