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Recombinant Human CXCL14/BRAK Protein

Catalog No.: RP02782 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 9547 095715

Tags

C-His

Synonyms

KEC; KS1; BMAC; BRAK; NJAC; MIP2G; MIP-2g; SCYB14; CXCL14

Product Information

Source Purification HEK293 cells ≥ 90 % as

determined by SDS-

PAGE.

Calculated MW Observed MW

13.91 kDa 10-15 kDa

Endotoxin

< 0.1 EU/ μ g of the protein by LAL method.

Formulation

Lyophilized from a 0.22 µm filtered solution of 0.5 M NaCl, 0.5 M Arginine, pH7.4.

Reconstitution

Centrifuge the vial 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

CXCL14 is a CXC chemokine family that exhibits antimicrobial activity and contains an amphipathic cationic alpha-helical region in the C-terminus, a characteristic structure of antimicrobial peptides (AMPs). CXCL14 is involved in cell recruitment, migration, activation, and homing in liver diseases and have been shown to be upregulated during acute liver injury in animal models. The CXC chemokine ligand 14 (CXCL14) had been show highly expressed in tumor-associated stromal cells, promoting tumor cell growth, and invasion.

Basic Information

Description

Recombinant Human CXCL14/BRAK Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Glu111) of human CXCL14/BRAK (Accession #NP_004878.2) fused with a His tag at the C-terminus.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20 $^{\circ}$ C for 3 months, at 2-8 $^{\circ}$ C for up to 1 week.

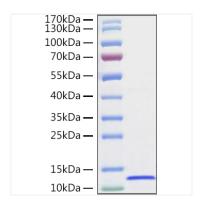
Avoid repeated freeze/thaw cycles.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

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Validation Data



Recombinant Human CXCL14/BRAK Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.