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Recombinant Human CXCL14/BRAK Protein

Catalog No.: RP02782 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	9547	O95715

Tags
C-His

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

Product Information

Source	Purification
HEK293 cells	> 90% by SDS-PAGE.

Endotoxin
<0.1EU/μg 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.

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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.

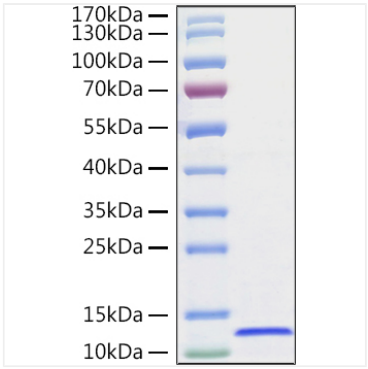
Basic Information

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

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human CXCL14/BRAK Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 12 kDa.