

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.

Calculated MW	Observed MW
13.91 kDa	12-14 kDa

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 stabilizer (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

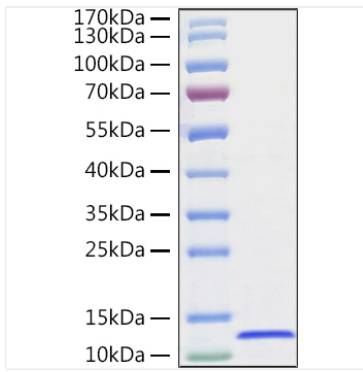
Storage

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°C for 3 months, at 2-8°C 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.