

Recombinant Human CXCL14/BRAK Protein

Catalog No.: RP02782

Sequence Information

Species **Gene ID**
Human 9547

Swiss Prot **Tags**
O95715 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/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.

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.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

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

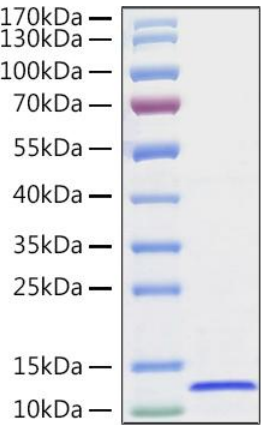
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Validation Data



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