



## BRAK (CXCL14), His Tag, human recombinant (rHuBRAK-His)

**Catalog No:** 97328  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** C-X-C motif chemokine 14, Small-inducible cytokine B14, Chemokine BRAK, Bolekine, NJAC, KS1, Kec, BMAC, MIP-2g, SCYB14, CXCL14, BRAK, MGC10687

### Background

CXCL14 is involved in immunoregulatory and inflammatory processes. BRAK protein is structurally related to the CXC (Cys-X-Cys) subfamily of cytokines. CXCL14 displays chemotactic activity for monocytes but not for lymphocytes, dendritic cells, neutrophils or macrophages. CXCL14 is involved in the homeostasis of monocyte-derived macrophages.

### Description

CXCL14 human recombinant produced in *E. coli* is a single, non-glycosylated, polypeptide chain containing 88 amino acids and having a molecular mass of 10.66 kDa. Human BRAK contains a 10 amino acids fusion His Tag at N-terminus. BRAK is purified by proprietary chromatographic techniques.

### Physical Appearance

Filtered white lyophilized (freeze-dried) powder.

### Formulation

CXCL14 filtered (0.4 µm) and lyophilized from a concentrated (0.5 mg/ml) solution containing 20 mM Tris buffer and 20 mM NaCl pH 7.5.

### Solubility

It is recommended to reconstitute the lyophilized CXCL14 in sterile 18 MΩ-cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

### Stability

Lyophilized BRAK, although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BRAK should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Purity

Greater than 95.0% as determined by (a) Analysis by RP-HPLC, (b) Analysis by SDS-PAGE.

### Amino Acid Sequence

MKHHHHHHAS SKCKCSRKGP KIRYSDVKKL EMKPKYPHCE EKMVIITTKS VSRYRGQEHCLHPKLQSTKR FIKWYNWANE  
KRRVYEE

### Usage

**This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.**

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