



Product Datasheet

Product Name	Recombinant Human BRAK (CXCL14)
Cata No	CB501251
Source	<i>Escherichia Coli</i> .
Synonyms	C-X-C motif chemokine 14, Small-inducible cytokine B14, Chemokine BRAK, Bolekine, NJAC, KS1, Kec, BMAC, MIP-2g, SCYB14, CXCL14, BRAK, MGC10687.

Description

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.

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.

The Human BRAK contains a 10 a.a. fusion His tag at N-Terminus.

The BRAK is purified by proprietary chromatographic techniques.

Physical Appearance

Filtered White lyophilized (freeze-dried) powder.

Purity

Greater than 98.0% as determined by:

(a) Analysis by RP-HPLC.

(b) Analysis by SDS-PAGE.

Formulation

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

Reconstitution

It is recommended to reconstitute the lyophilized CXCL14 in sterile 18MΩ-cm H₂O not less than 100µg/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.

Sequence

MKHHHHHHS SKCKCSRKGP KIRYSDVKKL
EMKPKYPHCE EKMVIITTKS VSRYRGQEHC
LHPKLQSTKR FIKWYNWNE KRRVYEE

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