

## Product datasheet for **TP723048**

### **CXCL14 (NM\_004887) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human chemokine (C-X-C motif) ligand 14 (CXCL14).
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	SKCKCSRKGP KIRYSDVKKL EMKPKYPHCE EKMVIITTKS VSRYRGQEHK LHPKLQSTKR FIKWYNAWNE KRRVYEE
<b>Tag:</b>	Tag Free
<b>Predicted MW:</b>	9.4 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>95% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
<b>Bioactivity:</b>	Determined by it's ability to chemoattract activated monocytes using a concentration range of 1.0-10.0 ng/ml.
<b>Endotoxin:</b>	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_004878</a>
<b>Locus ID:</b>	9547
<b>UniProt ID:</b>	<a href="#">Q95715</a>
<b>RefSeq Size:</b>	1989
<b>Cytogenetics:</b>	5q31.1
<b>RefSeq ORF:</b>	333
<b>Synonyms:</b>	BMAC; BRAK; KEC; KS1; MIP-2g; MIP2G; NJAC; SCYB14



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**Summary:**

This antimicrobial gene belongs to the cytokine gene family which encode secreted proteins involved in immunoregulatory and inflammatory processes. The protein encoded by this gene is structurally related to the CXC (Cys-X-Cys) subfamily of cytokines. Members of this subfamily are characterized by two cysteines separated by a single amino acid. This cytokine displays chemotactic activity for monocytes but not for lymphocytes, dendritic cells, neutrophils or macrophages. It has been implicated that this cytokine is involved in the homeostasis of monocyte-derived macrophages rather than in inflammation. [provided by RefSeq, Sep 2014]

**Protein Families:**

Druggable Genome, Secreted Protein, Transmembrane

**Protein Pathways:**

Chemokine signaling pathway, Cytokine-cytokine receptor interaction

**Product images:**