



Recombinant Mouse BRAK (CXCL14)

20201102DS



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	M10-139
Size:	20 µg
Lot. No.:	According to product label

Sequence

SKCKCSRKGP KIRYSDVKKL EMKPKYPHCE EKMVIVTTKS
MSRYRGQEHK LHPKLQSTKR FIKWYNWNE KRRVYEE

Database References

Protein RefSeq:	NP_062514.2
Uniprot ID:	Q9WUQ5
mRNA RefSeq:	NM_019568.2

Scientific Background

Gene-ID (NCBI):	57266
Synonyms:	Breast and Kidney-expressed chemokine, bolekin, NJAC

Breast and Kidney-expressed chemokine (BRAK) is a CXC chemokine expressed in normal tissue in the absence of inflammatory stimuli, and infrequently expressed in cancer cell lines. BRAK is known to be a highly selective monocyte chemoattractant. However, main function and receptor selectivity is unknown at this time. BRAK contains the four highly conserved cysteine residues present in CXC chemokines. The sequence of the mature protein consists of 87 amino acid residues, and is approximately 30% homologous to the sequences of MIP-2 α and β . Recombinant Murine BRAK (CXCL14) is a 9.4 kDa protein containing 77 amino acid residues.

Product Specifications

Expressed in	E. coli
Purity	$\geq 98\%$ by SDS-PAGE gel and HPLC analyses
Endotoxin level	< 0.1 ng/ μ g of protein (< 1 EU/ μ g)
Formulation	lyophilized
Length (aa):	77
MW:	9.4 kDa



AVOID REPEATED FREEZE AND THAW CYCLES!

Biological Activity: Determined by its ability to chemoattract human THP-1 monocytes supplemented with Anti-CXCL14.