



Recombinant Human MIP-4 (CCL18)

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-080
Size:	10 µg
Lot. No.:	According to product label

Sequence

QVGTNKELC CLVYTSWQIP QKFLVDYSET SPQCPKPGVI
LLTKRGRQIC ADENKKWVQK YISDLKLNLA

Database References

Protein RefSeq:	NP_002979
Uniprot ID:	P55774
mRNA RefSeq:	NM_002988

Scientific Background

Gene-ID (NCBI):	6362
Synonyms:	Macrophage Inflammatory Protein-4, CCL18, PARC, DC-CK1, AMAC-1

MIP-4 is a CC chemokine that is expressed in lymph nodes, lungs, placenta and bone marrow. MIP-4's primary receptor is unknown. MIP-4 chemoattracts lymphocytes, and has been shown to exert activity on both CD4+ and CD8+ T cells. Recombinant human MIP-4 is a 7.8 kDa protein containing 68 amino acid residues, including the four highly conserved cysteine residues present in CC chemokines.

Product Specifications

Expressed in	E. coli
Purity	> 98% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	68
MW:	7.8 kDa

Biological Activity: Assay #1: Determined by its ability to chemoattract human T lymphocytes using a concentration of 1.0 - 10.0 ng/ml. Assay #2: Determined by its ability to chemoattract human iDCs using a concentration of 1.0 - 10.0 ng/ml.



AVOID REPEATED FREEZE AND THAW CYCLES!