



Recombinant Human MDC (69 aa)

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-070S
Size:	5 µg
Lot. No.:	According to product label

Sequence

GPYGANMEDS VCCR DYVRYR LPLRVVKHFY WTSDSCPRPG
VLLTFRDKE ICADPRVPWV KMILNKLSQ

Database References

Protein RefSeq:	NP_002381
Uniprot ID:	O75078
mRNA RefSeq:	NM_002390

Scientific Background

Gene-ID (NCBI):	4185
Synonyms:	ADAM11; MDC

MDC is a CC chemokine that is produced in B cells, macrophages, monocyte-derived dendritic cells, activated NK cells and CD4 T cells. It signals through the CCR4 receptor. MDC chemoattracts monocytes, dendritic cells and NK cells and exerts HIV suppressive activity. The 67 amino acid form of MDC displays reduced chemoattractant activity but retains HIV suppressive activity. Recombinant human MDC is an 8.1 kDa protein containing 69 amino acid residues including the four highly conserved cysteine residues present in the 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):	69
MW:	8.1 kDa

Biological Activity: Determined by its ability to chemoattract human T cells using a concentration range of 10.0-100.0 ng/ml.



AVOID REPEATED FREEZE AND THAW CYCLES!