



Recombinant Rat IP-10 (CXCL10)

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	R20-075S
Size:	5 µg
Lot. No.:	According to product label

Sequence

IPLARTVRCT CIDFHEQPLR PRAIGKLEII PASLSCPVE
IIATMKKNNE KRCLNPESEA IKSLKAVSQ RRSKRAP

Database References

Protein RefSeq:	NP_620789.1
Uniprot ID:	P48973
mRNA RefSeq:	NM_139089.1

Scientific Background

Gene-ID (NCBI):	245920
Synonyms:	gamma-Interferon inducible protein 10, CXCL10, crg-2

IP-10 is a CXC chemokine that signals through the CXCR3 receptor. IP-10 selectively chemoattracts Th1 lymphocytes and monocytes, and inhibits cytokine-stimulated hematopoietic progenitor cell proliferation. Additionally, it is angiostatic and mitogenic for vascular smooth muscle cells. Recombinant rat IP-10 is an 8.6 kDa protein consisting of 77 amino acids including the four conserved cysteine residues present in CXC 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):	77
MW:	8.6 kDa

Biological Activity: Determined by its ability to chemoattract hCXCR3/HEK293 cells using a concentration range of 10.0-50.0 ng/ml.



AVOID REPEATED FREEZE AND THAW CYCLES!