



Recombinant Human IL-8 (77aa)

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-047S
Size:	5 µg
Lot. No.:	According to product label

Sequence

AVLPRSAKEL RCQCIKTYSK PFHPKFIKEL RVIESGPHCA
NTEIIVKLSG GRELCLDPKE NNVQRVVEKF LKRAENS

Database References

Protein RefSeq:	NP_000575.1
Uniprot ID:	P10145
mRNA RefSeq:	NM_000584.3

Scientific Background

Gene-ID (NCBI):	3576
Synonyms:	IL8; NAF; GCP1; LECT; LUCT; NAP1; CXCL8; GCP-1; LYNAP; MDNCF; MONAP; NAP-1

IL-8 is a proinflammatory CXC chemokine that can signal through the CXCR1 and CXCR2 receptors. It is secreted by monocytes and endothelial cells. IL-8 chemoattracts and activates neutrophils. Recombinant human IL-8 (endothelial-derived) is an 8.9 kDa protein containing 77 amino acid residues.

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:	8.9 kDa

Biological Activity: Determined by its ability to chemoattract human peripheral blood neutrophils using a concentration range of 25.0-150.0 ng/ml.



AVOID REPEATED FREEZE AND THAW CYCLES!