



Recombinant Human IL-8 (72aa) (CXCL8)

20190410BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-046
Size:	25 µg
Lot. No.:	According to product label

Sequence

SAKELRCQCI KTYSKPFHPK FIKELRVIES GPHCANTEII
VKLSDGRELC LDPKENWVQR VVEKFLKRAE NS

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; NAPI; 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 (monocyte-derived) is an 8.4 kDa protein containing 72 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):	72
MW:	8.4 kDa

Stability: The lyophilized protein is stable at room temperature for 1 month and at 4°C for 6 months. Reconstituted working aliquots are stable for 1 week at 2°C to 8°C and for 3 months at -20°C to -80°C.

Reconstitution: Centrifuge the vial prior for opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. *Do not vortex.* This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.



AVOID REPEATED FREEZE AND THAW CYCLES!

Biological Activity: Determined by its ability to chemoattract human peripheral blood neutrophils using a concentration range of 10-100 ng/ml.