

Recombinant Human IL-8 (Interleukin-8)

Product Description

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.

Typical Specifications

Species	Human
Expression	E. coli Cell Expressed
Purity	≥98%
Endotoxin	<1.0 EU/μg
Molecular Mass	8.4 kDa
Country of Origin	USA

Purity Confirmation

This was determined by SDS-PAGE gel and HPLC analysis.

Activity Assay

Determined by its ability to chemoattract human peripheral blood neutrophils using a concentration range of 10.0-100.0 ng/ml.

AA Sequence

SAKELRCQCI	KTYSKPFHPK	FIKELRVIES
GPHCANTEII	VKLSDGRELC	LDPKENWVQR
VVEKFLKRAE	NS	

Reconstitution Buffer

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex.

Storage

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% HSA) and store in working aliquots at -20°C to -80°C.

Limited Use and Restrictions

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