

## Datasheet for ABIN988103 IL-8 Protein (AA 3-79)



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### Overview

Quantity:	50 µg
Target:	IL-8 (IL8)
Protein Characteristics:	AA 3-79
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

### Product Details

Purity:	> 95.0 %, as determined by the following methods: (a) RP-HPLC analysis (b) Reducing and non-reducing SDS-PAGE silver-stained gel analysis
Endotoxin Level:	Level Less than 0.1ng/µg (1 IEU/µg) determined by LAL test

### Target Details

Target:	IL-8 (IL8)
Alternative Name:	Interleukin-8 (IL-8) ( <a href="#">IL8 Products</a> )
Background:	Interleukin-8 (IL-8) belongs to the neutrophil-specific CXC family of chemokines. It is one of the initial cytokines released from a variety of cell types, including T cells, endothelial cells and fibroblasts, in response to an inflammatory stimulus and acts by recruiting neutrophils, T-cells and basophils to the site of inflammation. Elevated Interleukin-8 (IL-8) levels are associated with the onset of a variety of disease states. Human Interleukin-8 (IL-8) (3-79) , produced in E. coli, is a single, non-glycosylated polypeptide chain containing 77 amino acids and having a molecular mass of 8,904 Da. Synonym: rHu IL-8 (3-79). Formulation: The protein was

## Target Details

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lyophilized after extensive dialysis against PBS, pH7.4.

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Molecular Weight: 9,000 Da $\pm$ 10%, determined by reduced SDS-PAGE

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Pathways: [TLR Signaling](#), [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [ER-Nucleus Signaling](#), [Hepatitis C](#), [Autophagy](#)

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## Application Details

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Reconstitution: It is recommended that lyophilized Recombinant Human Interleukin-8 (IL-8)/77 be reconstituted in sterile 18 Mohm-cm H<sub>2</sub>O not less than 100  $\mu$ g/ml, which can then be further diluted to other aqueous solutions. Specificity Recombinant Human Interleukin-8 (IL-8)/77 is fully biologically active when compared to standard. The ED<sub>50</sub>, as determined by its chemotaxis of hCXCR-2 transfected mouse BaF/3 cells, is less than 2 ng/ml, corresponding to a specific activity of 5.0 $\times$ 10<sup>5</sup> IU/mg.

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Storage: -20 °C

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