

Datasheet for ABIN988106 IL-8 Protein (AA 8-79)



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Overview

Quantity:	50 µg
Target:	IL-8 (IL8)
Protein Characteristics:	AA 8-79
Origin:	Human
Host:	Please inquire
Protein Type:	Recombinant

Product Details

Purity:	> 95.0 % as determined by (a) Analysis by RP-HPLC (b) Analysis by reducing and non-reducing SDS-PAGE silver stained gel
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) (IL8 Products)
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 levels are associated with the onset of a variety of disease states. GenScript Interleukin (IL)-8 (8-79), produced in E. coli is a single, non-glycosylated polypeptide chain containing 72 amino acids and having a molecular mass of 8,452 Da. Synonym: Interleukin (IL)-8 (8-79). Formulation: The protein was lyophilized

Target Details

after extensive dialysis against PBS, pH7.4.

Molecular Weight: 8,000 Da+/-10% determined by reduced SDS-PAGE

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

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: It is recommended to reconstitute the lyophilized rHuIL-8 /72 in sterile 18 Mohm-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions. Specificity rHuIL-8 /72 is fully biologically active when compared to standard. The ED₅₀ as determined by its chemotaxis of hCXCR-2 transfected mouse BaF/3 cells is less than 0.5 ng/ml, corresponding to a specific activity of 2.0×10⁶ IU/mg.

Storage: -20 °C