

Datasheet for ABIN7566309

IL-8 Protein (AA 28-99) (His tag)[Go to Product page](#)

Overview

Quantity:	10 µg
Target:	IL-8 (IL8)
Protein Characteristics:	AA 28-99
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-8 protein is labelled with His tag.

Product Details

Purpose:	IL-8 (human) (rec.) (His)
Cross-Reactivity:	Human
Characteristics:	Human IL-8 (aa 28-99) is fused at the C-terminus to a His-tag.
Purity:	>97 % (SDS-PAGE)
Sterility:	Sterile filtered
Endotoxin Level:	<0.1EU/µg protein (LAL test, Lonza).

Target Details

Target:	IL-8 (IL8)
Alternative Name:	IL-8 (IL8 Products)
Background:	Interleukin-8, CXCL8, C-X-C Motif Chemokine 8, Emoctakin, GCP-1, LAI, MDNCF, MONAP, NAP-1,

Target Details

NCF, TCF

Interleukin-8 (IL-8) was originally discovered as a neutrophil chemotactic and activating factor and is a member of the alpha (CXC) subfamily of chemokines (including also platelet factor 4, GRO, IP-10, etc.). Many cell types, including monocyte/macrophages, T cells, neutrophils, fibroblasts, endothelial cells, keratinocytes, hepatocytes, chondrocytes and various tumor cell lines, produce IL-8 in response to a wide variety of proinflammatory stimuli such as exposure to IL-1, TNF, LPS and viruses. IL-8 has a wide range of other proinflammatory effects. It is a potent chemoattractant for neutrophils and causes degranulation of neutrophil specific granules and azurophilic granules. IL-8 induces expression of the cell adhesion molecules CD11/CD18 and enhances the adherence of neutrophils to endothelial cells and subendothelial matrix proteins. Besides neutrophils, IL-8 is also chemotactic for basophils, T cells and eosinophils. IL-8 has been reported to be a co-mitogen for keratinocytes and was also shown to be an autocrine growth factor for melanoma cells. IL-8 was also reported to be angiogenic both in vivo and in vitro.

NCBI Accession: [NP_000575](#)

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

Buffer: Lyophilized from 0.2µm-filtered solution in PBS.

Handling Advice: Avoid freeze/thaw cycles. Centrifuge lyophilized vial before opening and reconstitution.

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C

Use & Stability: Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.