

PRODUCT INFORMATION

Target II 8

CXCL8; NAF; GCP1; LECT; LUCT; NAP1; GCP-1; **Synonyms**

LYNAP; MDNCF; MONAP; NAP-1; SCYB8

Recombinant human IL8 Protein with C-terminal **Description**

6×His tag

Delivery In Stock P10145 **Uniprot ID Expression Host HEK293** C-6×His Tag Tag

Molecular

Storage & Shipping

IL8(Ser28-Ser99) 6×His tag Characterization

The protein has a predicted molecular mass of 9.2 kDa after removal of the signal peptide. The

Molecular Weight

apparent molecular mass of IL8-His is approximately 10-15 kDa due to glycosylation. The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before Formulation & lyophilization. Please see Certificate of Analysis Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient temperature.

The protein encoded by this gene is a member of the CXC chemokine family and is a major mediator of the inflammatory response. The encoded protein is commonly referred to as interleukin-8 (IL-8). IL-8 is secreted by

mononuclear macrophages, neutrophils, eosinophils, T lymphocytes, epithelial cells, and fibroblasts. It functions as a chemotactic factor by guiding the neutrophils to the site of infection. Bacterial and viral products rapidly induce IL-8 expression. IL-8 also participates with other cytokines in the proinflammatory signaling

cáscade and plays a role in systémic inflammatory response syndrome (SIRS). This gene is believed to play a role in the pathogenesis of the lower respiratory tract infection bronchiolitis, a common respiratory tract

disease caused by the respiratory syncytial virus (RSV). The overproduction of this

proinflammatory protein is thought to cause the lung inflammation associated with csytic fibrosis. This proinflammatory protein is also suspected of playing a role in coronary artery disease and endothelial dysfunction. This protein is also secreted by tumor cells and promotes tumor migration, invasion, angiogenesis and metastasis. This chemokine is also a potent angiogenic factor.

vessels and increasing levels of IL-8 are positively correlated with increased severity of multiple disease outcomes (eg, sepsis). This gene and other members of the CXC chemokine gene family form a gene cluster in a region of Address: Wuhan institute of chromosome 4q. [previded by Redienables 2020] Biotechnology B7, Biolake No.666 Website: www.dimabio.com Gaoxin Road, Wuhan, Hubei, China Telephone: +1 2409940618(USA) /+86-18062749453(China) /+86-400-006-0995(China)

Background





Usage Conjugate Research use only Unconjugated

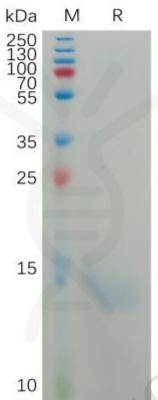


Figure 1. Human IL8 Protein, His Tag on SDS-PAGE under reducing condition.

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