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Recombinant Pig IL-8/CXCL8/GCP-1 Protein

Catalog No.: RP00690 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Sus scrofa (Pig)	396880	P26894

Tags
NO-tag

Synonyms
CXCL8; IL8;Interleukin-8; IL-8; Alveolar macrophage chemotactic factor I; AMCF-I

Product Information

Source	Purification
E. coli	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
9.097 kDa	10-20 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from 0.22μm filtered solution in PBS (pH 7.4).

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

IL-8,Chemotactic factor that mediates inflammatory response by attracting neutrophils, basophils, and T-cells to clear pathogens and protect the host from infection. Also plays an important role in neutrophil activation. Released in response to an inflammatory stimulus, exerts its effect by binding to the G protein-coupled receptors CXCR1 and CXCR2, primarily found in neutrophils, monocytes and endothelial cells. G protein heterotrimer (alpha, beta, gamma subunits) constitutively binds to CXCR1/CXCR2 receptor and activation by IL8 leads to beta and gamma subunits release from Galpha (GNAI2 in neutrophils) and activation of several downstream signaling pathways including PI3K and MAPK pathways.

Basic Information

Description
Recombinant Pig IL-8/CXCL8/GCP-1 Protein

Bio-Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃
Avoid repeated freeze/thaw cycles.

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

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