

For Research Use Only

Recombinant Pig CXCL8/IL-8 protein (rFc Tag)



Catalog Number: Eg4863

Basic Information

Species:
Pig

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/μg protein, LAL method

Source:

HEK293-derived Pig CXCL8 protein Ala26-Gln103 (Accession# P26894) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

396880

Accession:

P26894

Predicted Molecular Mass:

35.4 kDa

SDS-PAGE:

35-45 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Interleukin 8 (IL-8), also known as CXCL8, which is a member of the CXC chemokine family. This chemokine is secreted by a variety of cell types including monocyte/macrophages, T cells, neutrophils, fibroblasts, endothelial cells, and various tumor cell lines in response to inflammatory stimuli. IL-8 has two primary functions. It induces chemotaxis in target cells, primarily neutrophils but also other granulocytes, causing them to migrate toward the site of infection. IL-8 also induces phagocytosis once they have arrived. This gene is believed to play a role in the pathogenesis of bronchiolitis, a common respiratory tract disease caused by viral infection. IL-8 is also known to be a potent promoter of angiogenesis. IL-8 has been associated with tumor angiogenesis, metastasis, and poor prognosis in breast cancer. IL-8 may present a novel therapeutic target for estrogen driven breast carcinogenesis and tumor progression.

References

1. Wolff B. et al., 1998. J Exp Med. 188: 1757-1762.
2. Utgaard JO. et al., 1998. J Exp Med. 188: 1751-1756.
3. Modi WS. Et al., 1990. Hum Genet. 84: 185-187.
4. "Entrez Gene: IL8 interleukin 8".
5. Bendrik C. et al. 2009. J Immunol. 182(1): 371-378.

Synonyms

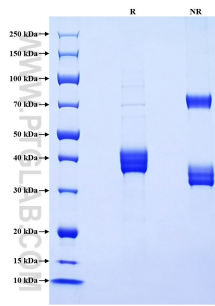
CXCL8, IL8, IL-8, Interleukin-8

For technical support and original validation data for this product please contact

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Purity of Recombinant Pig CXCL8 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.