

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/ μ g 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 μ m 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.

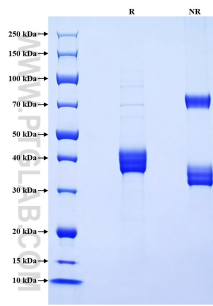
References

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

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.

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

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