

Human I-TAC / CXCL11 Protein

Catalog Number: 10876-HNAE



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

CXCL11, ITAC, SCYB11, SCYB9B

Protein Construction:

A DNA sequence encoding the mature form of human CXCL11 (O14625) (Phe22-Phe94) was expressed with an initial Met.

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Endotoxin:

Please contact us for more information.

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Met

Molecular Mass:

The recombinant human CXCL11 consists of 73 amino acids and predicts a molecular mass of 8.3 KDa. It migrates as an approximately 9 KDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile 40% acetonitrile, 1% TFA

Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

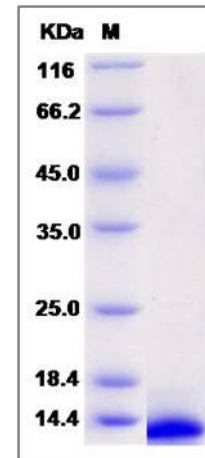
Usage Guide

Storage:

Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

SDS-PAGE:



Reconstitution:

Detailed reconstitution instructions are sent along with the products.

Protein Description

I-TAC, also known as CXCL11, is a small cytokine belonging to the CXC chemokine family. It is highly expressed in peripheral blood leukocytes, pancreas and liver, with moderate levels in thymus, spleen and lung and low expression levels were in small intestine, placenta and prostate. I-TAC is chemotactic for activated T cells. The CXCL11 gene is located on human chromosome 4 along with many other members of the CXC chemokine family. The I-TAC chemokine elicits its effects on its target cells by interacting with the cell surface chemokine receptor CXCR3, with a higher affinity than do the other ligands for this receptor, CXCL9 and CXCL10.

References

1. Strausberg RL. et al., 2003, Proc Natl Acad Sci. 99 (26): 16899-903.
2. Rani MR. et al., 2002, J Biol Chem. 277 (41): 38456-61.
3. Salmaggi A. et al., 2003, J Interferon Cytokine Res. 22 (6): 631-40.

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