Product Information

Recombinant human CXCL11/I-TAC protein

Catalog Number: IBATGP1296

PRODUCT INPORMATION

Expression system
E.coli

Domain
22-94aa

UniProt No.
O14625

NCBI Accession No.
NP_005400

Alternative Names
C-X-C motif chemokine 11, b-R1, H174, I-TAC, IP-9, IP9, MGC102770, SCYB11, SCYB9B

PRODUCT SPECIFICATION

Molecular Weight
10.6 kDa (94aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 10mM Sodium Citrate buffer (pH 3.5) containing 2mM DTT, 20% glycerol

Purity
> 85% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
Chemokine (C-X-C motif) ligand 11 (CXCL11) is a small cytokine belonging to the CXC chemokine family that is also called Interferon-inducible T-cell alpha chemoattractant (I-TAC) and Interferon-gamma-inducible protein 9 (IP-9). CXCL11 is strongly induced by IFN-gamma and IFN-beta, and weakly induced by IFN-alpha. It is chemotactic for interleukin-activated T-cells but not unstimulated T-cells, neutrophils or monocytes. It is highly

Manufactured for:
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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. Recombinant human CXCL11 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

Amino acid Sequence

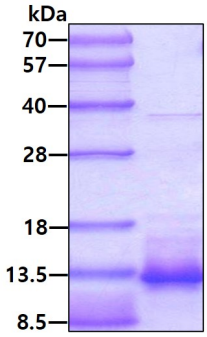
<MGSSHHHHHH SSGLVPRGSH M>FPMFKRGRC LCIGPGVKAV KVADIEKASI MYPSNNCDKI EVIITLKENK GQRCLNPKSK QARLIIKKVE RKNF

General References

Cole KE, et al. (1998) J. Exp. Med. 187 (12): 2009-21.
Mach, F., et al. (1999) J. Clin. Invest. 104: 1041-1050.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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