

Recombinant Human CXCL11 protein (His tag)

Catalog Number:PDEH100228



Note: Centrifuge before opening to ensure complete recovery of vial contents.

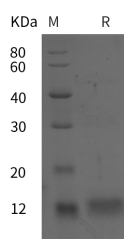
Description

Synonyms	Interferon Inducible T-Cell α Chemokine;I-TAC;B-R1;CXCL11;ITAC;SCYB11;SCYB9B
Species	Human
Expression Host	E.coli
Sequence	Phe 22-Phe 94
Accession	O14625
Calculated Molecular Weight	7.9 kDa
Observed molecular weight	12 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

CXCL11, also known as I-TAC, SCYB9B, H174 and beta -R1, is a non-ELR CXC chemokine. CXCL11 cDNA encodes a 94 amino acid (aa) residue precursor protein with a 21 aa residue putative signal sequence, which is cleaved to form the mature 73 aa residue protein. CXCL11 shares 36% and 37% amino acid sequence homology with IP-10 and MIG (two other known human non-ELR CXC chemokines), respectively. CXCL11 is expressed at low levels in normal tissues including thymus, spleen and pancreas. The expression of CXCL11 mRNA is radically up regulated in IFN-gamma and IL-1 stimulated astrocytes. Moderate increase in expression is also observed in stimulated monocytes. CXCL11 has potent chemoattractant activity for IL-2 activated T cells and transfected cell lines expressing CXCR3, but not freshly isolated T

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cells, neutrophils or monocytes. The gene encoding CXCL11 has been mapped to chromosome 4.

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