

Human CXCL11, Biotin-tagged

Cat. No. CXCL11-106H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	It is a synthetic Protein with Biotin tag.
Species	Human
Description	Interferon-inducible T cell a chemoattractant (ITAC), which is also known as SCYB9B, -R1 or H174, is a non-ELR CXC chemokine. ITAC's cDNA encodes a 94 amino acid precursor with a 21 amino acid putative signal sequence which is cleaved to form the mature 73 amino acid protein. ITAC shares 36% and 37% sequence homology with IP-10 and MIG, respectively. ITAC is expressed at low levels in normal tissues including the thymus, spleen and pancreas. The expression of ITAC mRNA is radically up regulated in interferon- and IL-1 stimulated astrocytes. Moderate increases in expression are also observed in stimulated monocytes. ITAC possesses potent chemoattractant activity for IL-2 activated T-cells and transfected cell lines expressing CXCR3 receptors, but not freshly isolated T-cells, neutrophils or monocytes. The gene which encodes ITAC has been mapped to chromosome 4.
Form	Lyophilized
AA Sequence	FPMFKRGRCL CIGPGVKAVK VADIEKASIM YPSNNCDKIE VIITLKENKG QRCLNPKSKQ ARLIIKKVER KNF (Biotin conjugated to C-terminus)
Applications	Activity Assay
Storage	Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

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Reconstitution Recommended reconstitution in sterile phosphate buffered saline which contains at least 0.1% human or bovine serum albumin to prepare a stock solution of no less than 20 µg/ml and vortex thoroughly.

GENE INFORMATION

Gene Name CXCL11 chemokine (C-X-C motif) ligand 11 [Homo sapiens]

Official Symbol CXCL11

Synonyms CXCL11; chemokine (C-X-C motif) ligand 11; SCYB9B, SCYB11, small inducible cytokine subfamily B (Cys X Cys), member 11; C-X-C motif chemokine 11; b R1; H174; I TAC; IP 9; beta-R1; small inducible cytokine B11; small-inducible cytokine B11; interferon gamma-inducible protein 9; interferon-inducible T-cell alpha chemoattractant; small inducible cytokine subfamily B (Cys-X-Cys), member 11; small inducible cytokine subfamily B (Cys-X-Cys), member 9B; IP9; IP-9; b-R1; I-TAC; SCYB11; SCYB9B; MGC102770;

Gene ID 6373

mRNA Refseq NM_005409

Protein Refseq NP_005400

MIM 604852

UniProt ID O14625

Chromosome Location 4q21

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Pathway

CXCR3-mediated signaling events, organism-specific biosystem; Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;

Function

chemokine activity;

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