

Recombinant Human Chemokine (C-X-C Motif) Ligand 11, His-tagged

Cat. No. CXCL11-270H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human
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- μ and IFN- μ , and weakly induced by IFN- μ . It is chemotactic for interleukin-activated T-cells but not unstimulated T-cells, neutrophils or monocytes. 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.
Form	Liquid. In 10mM sodium citrate(pH 3.5), 20% glycerol, 2mM DTT
Molecular Weight	10.6kDa (94aa), confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	1mg/ml (determined by Bradford assay)

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Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MFPMFKRGRC LCIGPGVKAV KVADIEKASI MYPNNCDKI EVIITLKENK GQRCLNPKSK QARLIKKVE RKNF
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Pathways	Cytokine-cytokine receptor interaction;Toll-like receptor signaling pathway.
GENE INFORMATION	
Gene Name	CXCL11 chemokine (C-X-C motif) ligand 11 [Homo sapiens]
Official Symbol	CXCL11
Synonyms	CXCL11; IP9; Beta-R1; H174; IP-9; b-R1; ITAC; I-TAC; SCYB11; SCYB9B; MGC102770; C-X-C motif chemokine 11 precursor;Human beta-R1 mRNA, partial cds; CXL11_HUMAN; chemokine (C-X-C motif) ligand 11; Interferon-gamma-inducible protein 9; Interferon-inducible T-cell alpha chemoattractant; Small-inducible cytokine B11; chemokine (C-X-C motif) ligand 11; small inducible cytokine B11; small inducible cytokine subfamily B (Cys-X-Cys), member 11; small inducible cytokine subfamily B (Cys-X-Cys), member
Gene ID	6373
mRNA Refseq	NM_005409
Protein Refseq	NP_005400
MIM	604852
UniProt ID	O14625

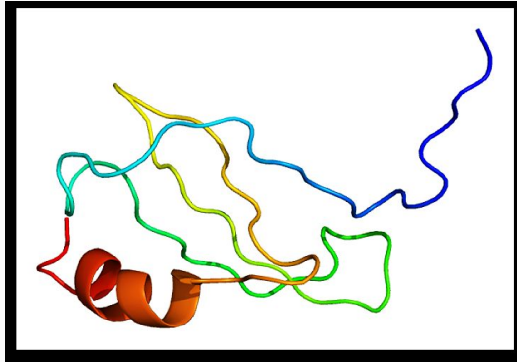
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Chromosome Location	4q21.2
Function	chemokine activity

PDBrendering based on 1rjt.



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