

CXCL11

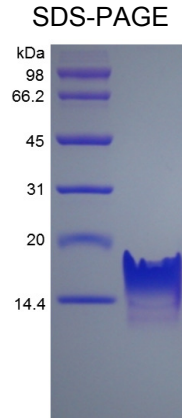
Recombinant Human Interferon-Inducible T-cell alpha Chemoattractant/CXCL11

Catalog No.	CRI600A CRI600B CRI600C	Quantity:	5 µg 20 µg 1.0 mg
Alternate Names:	H174, I-TAC, IP-9, IP9, SCYB11, SCYB9B, b-R1, small inducible cytokine B11, small inducible cytokine subfamily B (Cys-X-Cys), member 11, small inducible cytokine subfamily B (Cys-X-Cys), member 9B		
Gene ID:	6373		
Description:	<p>Recombinant Human I-TAC is a single non-glycosylated polypeptide chain containing 73 amino acids.</p> <p>Background: I-TAC/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-γ 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-cells, neutrophils or monocytes.</p>		
Source:	<i>E. coli</i>		
Molecular Weight:	8.3 kDa		
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4 + 100 mM NaCl.		
Purity:	>97% by HPLC and SDS-PAGE		
Endotoxin Level:	Less than 1EU/µg of rHuI-TAC/CXCL11 as determined by LAL method.		
Biological Activity:	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human IL-2 activated human T-lymphocytes is in a concentration range of 0.1-10 ng/ml.		
Amino Acid Sequence:	FPMFKRGRCL CIGPGVKAVK VADIEKASIM YPSNNCDKIE VIITLKENKG QRCLNPKSKQ ARLIIKKVER KNF		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/mL. Further dilutions should be made in appropriate buffered solutions.		



Storage & Stability:

Stable at 2-8°C, but best kept desiccated -20°C. Upon reconstitution, stable for up to 1 week at 2-8°C. For longer term, store in working aliquots below -20°C to -80°C. **Avoid repeated freeze/thaw cycles.**



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences[®]
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com