Recombinant Human CXCL11

Cat No:HR2R1301

For research use only

Overview

Quantity	20 ?g
Gene Symbol	CXCL11
Gene ID	6373
Accession	O14625
Alternative Name	CXCL11, C-X-C motif chemokine 11, Beta-R1, H174, Interferon gamma-inducible protein 9, IP-9, Interferon-inducible T-cell alpha chemoattractant, I-TAC, Small-inducible cytokine B11 Recombinant Human IFN-Inducible T-cell Chemoattractant (CXCL11)
Species	Human
Source	E. coli
Description	The CXCL11 belongs to the CXC chemokine family characterized by the presence of one amino acid in between the two NH2-terminal cysteines. CXCL11 is produced by a variety of cells including leukocytes, fibroblasts, and endothelial cells upon stimulation with interferons (IFNs). Simultaneous stimulation of fibroblasts or endothelial cells with IFN-gamma and Interleukin-1b or the TLR3 ligand double-stranded RNA results in a synergistic increase of CXCL11 production. CXCL11 attracts natural killer cells and activated T-helper 1 cells. Like CXCL9 and CXCL10, CXCL11 signals through CXC chemokine receptor 3 (CXCR3).
Functions	Determined by its ability to chemoattract human T cells using a concentration range of 2.0-10.0 ng/mL
Formulation	Lyophilized from a 0.2 ?m filtered solution in PB,100 mM NaCl pH 7.5
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	8
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.