Active Recombinant Human CXCL11 Protein (Phe73-Phe73), N-His tagged, Animal-free, Carrier-free

Cat. No. CXCL11-271H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CXCL11 Protein (Phe73-Phe73) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Phe73-Phe73
Description	C-X-C motif chemokine 11 (CXCL11) also named Interferon-gamma-inducible protein 9 (IP-9), which is a chemokine of the intercrine alpha family. CXCL11 is a 8.1kDa protein containing 73 amino acid residues. To CXCR3, CXCL11 has higher affinity than CXCL10 and CXCL9 which plays a role in immune activation. CXCL11 induces the activation of T cells which is also a chemotaxis for T cells. The CXCL11 produced in response for IFN Family.
Form	Lyophilized
Bio-activity	Measure by its ability to chemoattract BaF3 cells transfected with human CXCR3. The ED50 for this effect is < 4 ng/mL.
Molecular Mass	The protein has a calculated MW of 9.11 kDa. The protein migrates as 11 kDa under reducing condition (SDS-PAGE analysis).

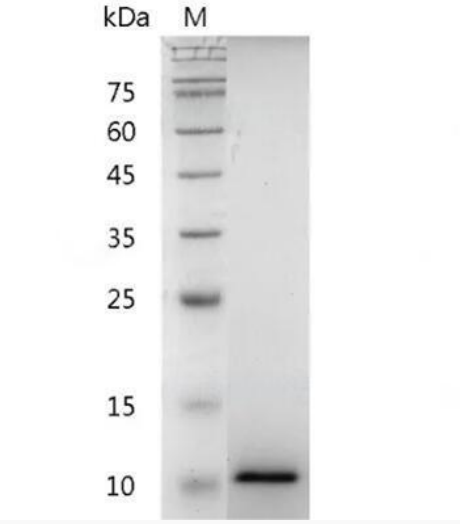
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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

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

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Gene ID	6373
mRNA Refseq	NM_005409
Protein Refseq	NP_005400
MIM	604852
UniProt ID	O14625
SDS-PAGE analysis of recombinant human CXCL11.	

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