

Active Recombinant Mouse Cxcl11 Protein (Phe22-Met110), N-His tagged, Animal-free, Carrier-free

Cat. No. Cxcl11-253M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cxcl11 Protein (Phe22-Met110) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Phe22-Met110
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 8.8 kDa protein containing 79 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. CXCL11 is 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 < 10 ng/mL.
Molecular Mass	The protein has a calculated MW of 9.92 kDa. The protein migrates about 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 H ₂ O 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 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Cxcl11
Synonyms	CXCL11; chemokine (C-X-C motif) ligand 11; C-X-C motif chemokine 11; small-inducible cytokine B11; interferon-inducible T-cell alpha chemoattractant; small inducible cytokine subfamily B (Cys-X-Cys), member 11; Ip9; H174; Itac; b-R1; Cxc11; I-tac; Scyb11; Scyb9b; betaR1;
Gene ID	56066

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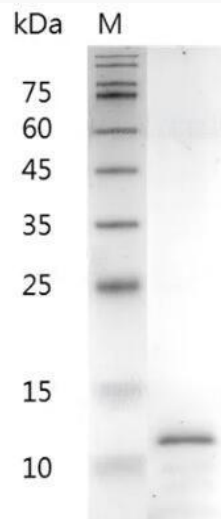
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mRNA Refseq [NM_019494](#)

Protein Refseq [NP_062367](#)

UniProt ID [Q9JHH5](#)

**SDS-PAGE analysis
of recombinant
mouse CXCL11.**



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