Recombinant Mouse CXCL11 Protein (Phe22-Met100), His-tagged

Cat. No. CXCL11-806M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CXCL11 Protein (NP_062367.1) (Phe22-Met100) was produced by Yeast expression system. This protein was expressed with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	Yeast
ProteinLength	Phe22-Met100
Description	I-TAC, also known as CXCL11, is a small cytokine belonging to the CXC chemokine family. 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. The I-TAC chemokine elicits its effects on its target cells by interacting with the cell surface chemokine receptor CXCR3, with a higher affinity than do the other ligands for this receptor, CXCL9 and CXCL1. I-TAC is chemotactic for activated T cells. The CXCL11 gene is located on human chromosome 4 along with many other members of the CXC chemokine family.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant mouse Cxcl11 consists of 89 amino acids and predicts a molecular mass of 10.5 kDa.

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Purity	> 95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4℃ before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	Cxcl11 chemokine (C-X-C motif) ligand 11 [Mus musculus]
Official Symbol	CXCL11
Synonyms	CXCL11; Ip9; H174; Itac; b-R1; Cxc11; I-tac; Scyb11; Scyb9b; betaR1;
Gene ID	56066
mRNA Refseq	NM_019494
Protein Refseq	NP_062367
UniProt ID	Q9JHH5

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