



## *Recombinant Mouse IP-10 / CXCL10*

*Catalog Number: 200-38*  
*Accession Number: P17515*

### *Specifications and Uses:*

**Alternate Names:** CXCL10, crg-2

**Description:**

The chemokine IP-10 (or CXCL10) is a chemokine made by monocytes, endothelial cells and fibroblasts in response to treatment with IFN $\gamma$ . IP-10 functions as a chemoattractant to cells expressing the G protein-coupled receptor, CXCR3, which is found mainly on activated T cells and NK cells. IP-10 plays an important role in Th1 type inflammatory diseases and autoimmune diseases such as, Hashimoto's thyroiditis, Graves' disease and Type 1 diabetes mellitus. Recombinant mouse IP-10 is a non-glycosylated protein, containing 77 amino acids, with a molecular weight of 8.7 kDa.

**Source:** *E.coli*

**Physical Appearance:** Sterile filtered white lyophilized (freeze-dried) powder.

**Formulation and Stability:**

Recombinant mouse IP-10 is lyophilized with no additives.

Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage.

**Reconstitution:**

Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.

**Protein Content and Purity (typically  $\geq 97\%$ ) determined by:**

Reducing and Non-reducing SDS-PAGE, HPLC

**Endotoxin Level:**

Measured by kinetic LAL analysis and is typically  $\leq 1$  EU/ $\mu$ g protein.

**Biological Activity:**

The activity is determined by its ability to chemoattract primary human T cells at 0.1-10 ng/mL.

**AA Sequence:**

IPLARTVRCN CIHIDDGPVR MRAIGKLEII PASLSCRVE IATMKKNDE QRCLNPESKT IKNLMKAFSQ KRSKRAP

**THIS PRODUCT IS FOR RESEARCH USE ONLY AND IS NOT FOR USE IN HUMANS!**

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