

## 32-13675: IP10 Guinea Pig

**Format :** Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM Sodium Phosphate, pH 7.5.  
**Alternative Name :** CXCL10, CRG-2.

### Description

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Biological Activity: null

Chemokine (C-X-C motif) ligand 10 (CXCL10) is a small cytokine belonging to the CXC chemokine family. CXCL10 is secreted by several cell types. These cell types include monocytes, endothelial cells and fibroblasts. CXCL10 has been attributed to several roles, such as chemoattraction for monocytes and T cells, promotion of T cell adhesion to endothelial cells, antitumor activity, and inhibition of bone marrow colony formation and angiogenesis. The gene for CXCL10 is located on human chromosome 4 in a cluster among several other CXC chemokines. This chemokine elicits its effects by binding to the cell surface chemokine receptor CXCR3. The three-dimensional crystal structure of this chemokine has been determined under 3 different conditions to a resolution of up to 1.92 Å.

IP10 Guinea Pig Recombinant produced in E. Coli is a single, non-glycosylated, polypeptide chain containing 76 amino acids and having a total molecular mass of 8.7 kDa. The IP10 is purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 50 µg / 10 µg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Storage condition :**

Lyophilized IP10 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IP10 Human should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid :**

IPHSRTIRCT CIETSTQPVN PKSFKLEII PASQSCPVE IATMKMNGE KRCLDPESKV IKNLLKAVRK  
ERSKRS

### Application Note

It is recommended to reconstitute the lyophilized IP10 in sterile water at a concentration of 0.1 mg/ml, which can then be further diluted to other aqueous solutions.