

Datasheet for ABIN6699676

**CXCL10 Protein****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	CXCL10
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

## Product Details

Purpose:	Mouse IP-10 (CXCL10) Recombinant Protein
Purification:	Ip-10 (CXCL10) purity was determined to be greater than 97% as determined by HPLC and by reducing and non-reducing SDS-pAGE.
Purity:	97,00%
Endotoxin Level:	Measured by LAL is typically $\leq 1$ EU/µg protein.
Biological Activity Comment:	The activity is determined by its ability to chemoattract primary human T cells at 0.1-10 ng/mL.

## Target Details

Target:	CXCL10
Alternative Name:	Cxcl10 ( <a href="#">CXCL10 Products</a> )
Background:	Synonyms: 10 kDa interferon gamma-induced protein (IP-10), C7, Interferon-gamma induced protein CRG-2, small-inducible cytokine B10 Background: The chemokine IP-10 (or CXCL10) is a chemokine made by monocytes,

## Target Details

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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.

UniProt: [P17515](#)

## Application Details

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Application Notes: Other: User Optimized  
Application\_Note: IP-10 Recombinant Protein has been tested by SDS-PAGE and biological activity and is suitable as a control for polyclonal or monoclonal anti-IP-10 in immunological assays.

Comment: Suggested\_Applications: Cellular Assay  
Other\_Performance\_Data:

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Reconstitution\_Buffer: Restore with deionized water (or equivalent)  
Reconstitution\_Volume: 100  $\mu$ L

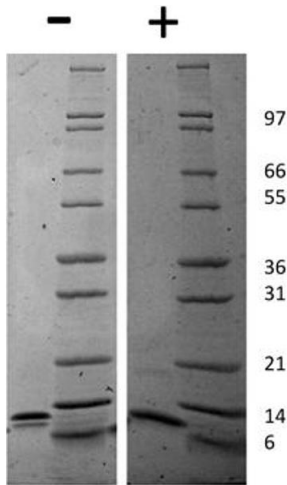
Concentration: 0.1 mg/mL

Buffer: Buffer: 0.1 % Trifluoroacetic acid  
Stabilizer: None

Preservative: Without preservative

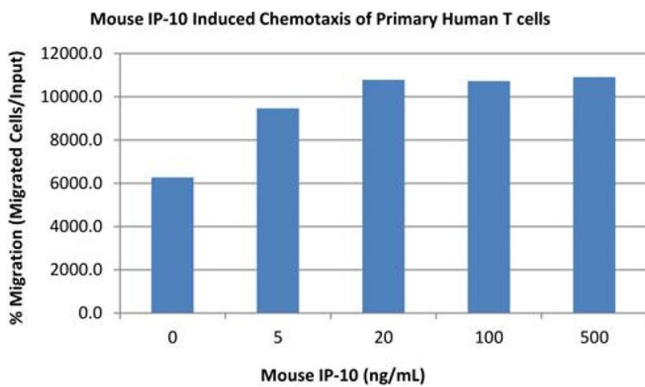
Storage: -20 °C

Storage Comment: Store vial at -20° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.



**SDS-PAGE**

**Image 1.** SDS-PAGE of Mouse IP-10 (CXCL10) Recombinant Protein SDS-PAGE of Mouse IP-10 (CXCL10) Recombinant Protein. Lane 1: 1 µg Mouse IP-10 in non-reducing conditions . Lane 2: 1 µg Mouse IP-10 in reducing conditions (+). Lane 3: Molecular weight marker. Mouse IP-10 has a predicted MW of 8.7 kDa.



**SDS-PAGE**

**Image 2.** SDS-PAGE of Mouse IP-10 (CXCL10) Recombinant Protein Bioactivity of Mouse IP-10 (CXCL10) Recombinant Protein. Human T cells were allowed to migrate to Mouse IP-10 at (0, 5, 20, 100 and 500 ng/mL). After 4 hours, cells that migrated were counted using a luminescent substrate and displayed on the bar graph above. Significant increases in migration over basal levels were seen in response to Mouse IP-10 detectable starting at 5 ng/mL.