

Datasheet for ABIN6699670

CXCL10 Protein



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1 Image

Overview

Quantity:	5 µg
Target:	CXCL10
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Human IP-10 (CXCL10) Recombinant Protein
Purification:	Ip-10 (CXCL10) purity was determined to be greater than 97% as determined by HpLC, analysis by UV-Spectroscopy at 280nm, and by reducing and non-reducing SDS-pAGE.
Purity:	97,00%
Endotoxin Level:	Measured by LAL is typically ≤ 1 EU/µg protein.
Biological Activity Comment:	The activity is determined by its ability to chemoattract human T lymphocytes at 5 - 40 ng/mL.

Target Details

Target:	CXCL10
Alternative Name:	CXCL10 (CXCL10 Products)
Background:	<p>Synonyms: 10 kDa interferon gamma-induced protein (IP-10), crg-2, small-inducible cytokine B10</p> <p>Background: The chemokine IP-10 (or CXCL10) is a chemokine made by monocytes, endothelial cells and fibroblasts in response to treatment with IFNγ. IP-10 functions as a</p>

Target Details

chemoattractant to cells (activated T cells and NK cells) expressing the G protein-coupled receptor, CXCR3. 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 human IP-10 is a non-glycosylated protein, containing 77 amino acids, with a molecular weight of 8.5 kDa.

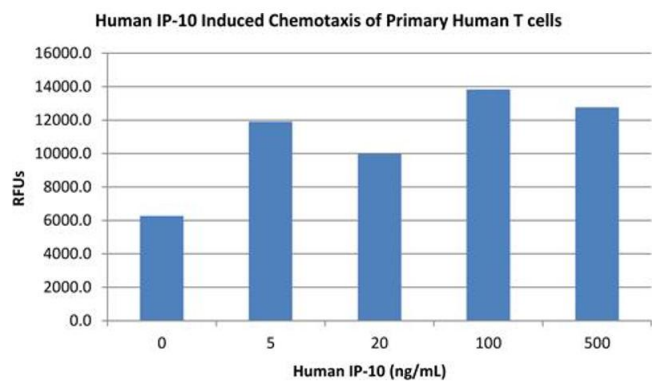
UniProt: [P02778](#)

Application Details

Application Notes:	Other: User Optimized Application_Note: IP-10 Recombinant Protein has been tested by 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

Format:	Lyophilized
Reconstitution:	Reconstitution_Buffer: Restore with deionized water (or equivalent) Reconstitution_Volume: 5 µL (5-50 µL)
Buffer:	Buffer: 0.1 % Trifluoroacetic acid Stabilizer: None
Preservative:	Without preservative
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° 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.
Expiry Date:	6 months



SDS-PAGE

Image 1. SDS-PAGE of Human IP-10 (CXCL10) Recombinant Protein Bioactivity of Human IP-10 (CXCL10) Recombinant Protein. Human T cells were allowed to migrate to Human 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 Human IP-10 starting at 5 ng/mL.