

IP-10 (CXCL10) Active Protein | IP-10 active protein

Recombinant Human IP-10 (CXCL10)

CATALOG #
AAA23887

HOST
E Coli

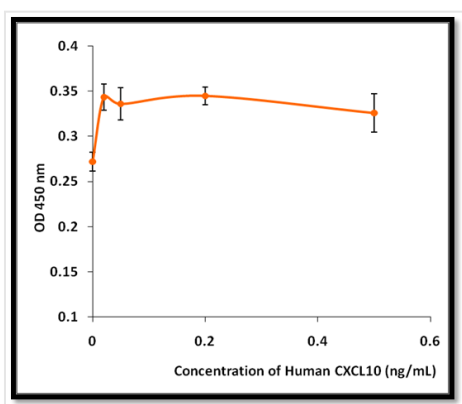
PRODUCT SYNONYMS

IP-10 (CXCL10); Recombinant Human IP-10 (CXCL10); CXCL10; C-X-C motif chemokine 10; 10 kDa interferon gamma-induced protein; Gamma-IP10; Small-inducible cytokine B10; IP10; IP-10 active protein

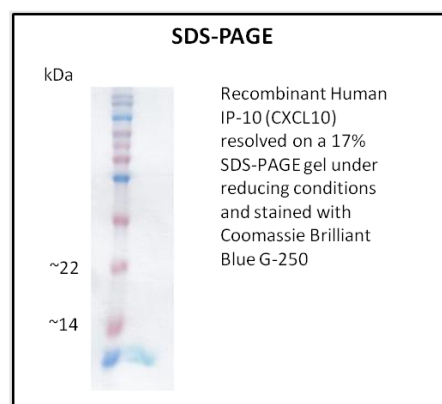
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Recombinant IP-10/CXCL10 was lyophilized from 0.2 um filtered PBS solution, pH 7.0.
Sequence Length	98
Species	Human (H. sapiens)
Function	Determined by its ability to chemoattract human T-Lymphocytes using a concentration of 10-50 ng/mL.
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method.
Appearance	Lyophilized Powder
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8°C for one month, or at -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for IP-10 active protein	IP-10 shows homology to PF-4 (platelet factor-4) and belongs to the family of chemotactic cytokines known as chemokines. The receptor for IP-10 is CXCR3. IP-10 has been shown to bind to the virus-encoded viroceptor M3. The expression of IP-10 from a variety of cells, including monocytes, endothelial cells, keratinocytes, and fibroblasts, is induced by IFN-gamma and TNF-alpha. Human neutrophils produce IP-10 in response to IFN-gamma in combination with either TNF-alpha or bacterial lipopolysaccharides. IP-10 probably also plays a role in regulation of the growth of immature hematopoietic progenitor cells. It has been shown to suppress in vitro colony formation of highly enriched cells expressing the cell surface marker CD34 in the presence of SCF, GM-CSF, or SCF and EPO, but not in their absence with the exception of SCF.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	149999382
NCBI GeneID	3627
NCBI Accession #	NP_001556.2
NCBI GenBank Nucleotide #	NP_001556.2
UniProt Accession #	P02778
Molecular Weight	9 kDa
NCBI Official Full Name	C-X-C motif chemokine 10
NCBI Official Synonym Full Names	C-X-C motif chemokine ligand 10
NCBI Official Symbol	CXCL10
NCBI Official Synonym Symbols	C7; IFI10; INP10; IP-10; crg-2; mob-1; SCYB10; gIP-10
NCBI Protein Information	C-X-C motif chemokine 10
UniProt Protein Name	C-X-C motif chemokine 10
UniProt Gene Name	CXCL10
UniProt Synonym Gene Names	INP10; SCYB10; Gamma-IP10; IP-10
UniProt Entry Name	CXL10_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.