

Recombinant Guinea Pig CXCL10 Protein

Cat. No. CXCL10-54G **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Guinea Pig CXCL10 Protein without tag was expressed in E. coli.
Species	Guinea Pig
Source	E.coli
Description	Interferon gamma-induced protein 10 (IP-10), or CXCL10, is a chemokine secreted by monocytes, endothelial cells and fibroblasts in response to interferon gamma (IFN- γ). IP-10 functions as a chemoattractant for activated T cells, monocytes, dendritic, and natural killer (NK) cells that express the G protein-coupled receptor CXCR3. IP-10 is an important factor in autoimmune diseases such as Hashimoto's thyroiditis, Graves' disease, and Type 1 diabetes mellitus.
Bio-activity	No biological activity data is available at this time.
Molecular Mass	Monomer, 8.7 kDa (76 aa)
AA Sequence	IPHSRTIRCTCIETSTQPVNPKSFKKLEIIPASQSCPRVEIIATMKMNGEKRCLDPESK VIKNLLKAVRKERSKRS
Endotoxin	≤ 1 EUs/ μ g, Kinetic LAL
Purity	$\geq 95\%$, Reducing and Non-Reducing SDS PAGE
Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied.

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	1 month when stored at 4 centigrade after reconstituting as directed. 3 months when stored at -20 to -80 centigrade after reconstituting as directed.
Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
Reconstitution	Sterile water at 0.1 mg/mL
Shipping	Room temperature
Instructions	Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

GENE INFORMATION

Gene Name	Cxcl10 C-X-C motif chemokine ligand 10 [<i>Cavia porcellus</i> (domestic guinea pig)]
Official Symbol	CXCL10
Synonyms	Cxcl10; C-X-C motif chemokine ligand 10; C-X-C motif chemokine 10
Gene ID	100714889
mRNA Refseq	XM_003477649
Protein Refseq	XP_003477697

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UniProt ID

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