Active Recombinant Pig CXCL10 Protein (Pro23-Ala104), N-His tagged, Animal-free, Carrier-free

Cat. No. CXCL10-237P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Pig CXCL10 Protein (Pro23-Ala104) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Pig
Source	E.coli
ProteinLength	Pro23-Ala104
Description	C-X-C motif chemokine 10 (CXCL10) also named Interferon gamma-induced protein 10 (IP-10), which is a chemokine of the intercrine alpha family. CXCL10 is a 9.1kDa protein containing 82 amino acid residues. CXCL10 is produced by the several cell types like monocytes and endothelial cells, which are responsed for IFNγ. CXCL10 is a chemotaxis for T cells, NK cells and macrophages. CXCL10 also binds the CXCR3 that induce the the cell migration and activation like T cells and dendritic cells
Form	Lyophilized
Bio-activity	Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2. The ED50 for this effect is < 4 ng/mL.
Molecular Mass	The protein has a calculated MW of 10.13 kDa. The protein migrates as 11-17 kDa under reducing condition (SDS-PAGE analysis).

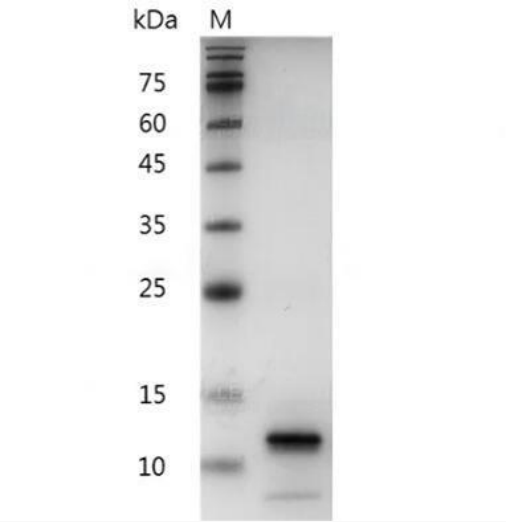
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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	CXCL10 C-X-C motif chemokine ligand 10 [Sus scrofa (pig)]
Official Symbol	CXCL10
Synonyms	CXCL10; C-X-C motif chemokine ligand 10; C-X-C motif chemokine 10; chemokine C-X-C motif ligand 10; chemokine CXC-like protein
Gene ID	494019
mRNA Refseq	NM_001008691

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Protein Refseq	NP_001008691
UniProt ID	Q5S1S3
SDS-PAGE analysis of recombinant swine CXCL10.	

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