

Recombinant Swine Chemokine (C-X-C motif) Ligand 10

Cat. No. CXCL10-148S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Swine CXCL10 protein was expressed in Yeast and purified by using Ion-exchange chromatography, 9.3 kDa (82 aa).
Species	Pig
Source	Yeast
Description	Chemokine (C-X-C motif) ligand 10 (CXCL10) or IP-10 is a small cytokine belonging to the CXC chemokine family that is also known as 10 kDa interferon-gamma-induced protein (γ-IP10 or IP-10). CXCL10 is secreted by several cell types in response to IFN-γ. These cell types include monocytes, endothelial cells and fibroblasts.
Sequences Of Amino Acids	PLSRTVRCTC IKISDRPVNP RSLEKLEMIP ASQSCPHVEI IATMKKNGEK RCLNPESKTI KNLLKAISKE RSKRSPRTQR EA.
Formulation/ Reconstitution	Lyophilized. Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.
Purity	>95% as visualized by SDS-PAGE analysis.
Purification	Ion-exchange chromatography.
Biological Activity	The biological activity of recombinant swine CXCL10 was determined in a chemotaxis assay using a Boyden chamber. Swine PBMCs were activated with PHA for 3 days followed by treatment with IL-2. Bioactivity is typically detected at 10 ng/mL.

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Storage	Stable for up to twelve months from date of receipt at -20°C. Stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. Avoid repeated freeze/thaw cycles.
Pathways	Chemokine signaling pathway; Cytokine-cytokine receptor interaction; Cytosolic DNA-sensing pathway; RIG-I-like receptor signaling pathway; Toll-like receptor signaling pathway

GENE INFORMATION

Gene Name	CXCL10 chemokine (C-X-C motif) ligand 10 [<i>Sus scrofa</i>]
Synonyms	CXCL10; chemokine (C-X-C motif) ligand 10; small-inducible cytokine B10; chemokine CXC-like protein; chemokine C-X-C motif ligand 10
Gene ID	494019
mRNA Refseq	NM_001008691
Protein Refseq	NP_001008691

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