## Recombinant Swine CXCL10 protein(His Tag)

## Catalog Number: PKSS000019

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Species	Porcine
Source	E.coli-derived Porcine CXCL10 protein Pro 23-Ala 104, with an N-terminal His
Calculated MW	10.1 kDa
Observed MW	11-17 kDa
Accession	NP_001008691.1
<b>Bio-activity</b>	Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2. The
	$ED_{50}$ for this effect is <4 ng/mL.
Properties	
Purity	> 98 % as determined by reducing SDS-PAGE.
Endotoxin	< 0.1 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80
	°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of
	reconstituted samples are stable at $< -20^{\circ}C$ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4.
	Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants
	before lyophilization.
	Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.
Data	
	kDa
	75-
	63-
	48-
	35-
	25-
	17-
	11-

> 98 % as determined by reducing SDS-PAGE.

## Background

Human C-X-C Motif Chemokine Ligand 10 (CXCL10) is a non-ELR chemokine secreted by various cell types; such as monocytes; endothelial cells and fibroblasts; in response to IFN-γ. CXCL10 functions via chemokine receptor CXCR3. CXCL10 has been attributed to several roles; such as chemoattraction for activated T-lymphocytes; inhibition of angiogenesis; and antitumor activity.

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