

## GMP Recombinant Porcine CXCL11 Protein, His-Tagged

**Cat. No.** CXCL11-01P    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	GMP Recombinant Porcine CXCL11 Protein, His-Tagged was expressed in Escherichia coli cell-derived in an animal component free process under cGMP guidelines.
<b>Species</b>	Porcine
<b>Source</b>	E.coli
<b>Description</b>	CXCL11 has functional and structural relationship with CXCL9 and CXCL10. This CXC chemokine lacks a ELR (Glutamate-Leucine-Arginine) tripeptide motif.. Similar to CXCL9 and CXCL10, CXCL11 can specifically bind to the G protein-coupled receptor CXCR3 and involve in chemotaxis of immune cells and angiogenesis. Expression of both CXCR3 and CXCL11 by The Th1-associated cytokine IFN $\gamma$ can express both CXCR3 and CXCL11 and create an amplification loop of cell-mediated immune response between Th1 cells
<b>Form</b>	Lyophilized
<b>AA Sequence</b>	FPMFKAGRCLCIGPGVKAVKVADIEKVSIIHPSNNCDKTEVIVTLKAHKGRRCLNPKS KQANVIMKKVERMNFLRYQNV with polyhistidine tag at the N-terminus
<b>Endotoxin</b>	<0.1 EU per 1 $\mu$ g of the protein by the LAL method.
<b>Purity</b>	>98% as determined by SDS-PAGE. Ni-NTA chromatography

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Notes</b>	Please use within one month after protein reconstitution.
<b>Storage</b>	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
<b>Storage Buffer</b>	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

## GENE INFORMATION

<b>Gene Name</b>	CXCL11 C-X-C motif chemokine ligand 11 [ <i>Sus scrofa</i> (pig) ]
<b>Official Symbol</b>	CXCL11
<b>Gene ID</b>	100169744
<b>mRNA Refseq</b>	NM_001128491.1
<b>Protein Refseq</b>	NP_001121963.1
<b>UniProt ID</b>	B3GDY9

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