

Active GMP Recombinant Porcine CXCL10 Protein, His-Tagged

Cat. No. CXCL10-01P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Porcine CXCL10 Protein, His-Tagged was expressed in Escherichia coli cell-derived in an animal component free process under cGMP guidelines.
Species	Porcine
Source	E.coli
Description	CXCL10 ,belongs to the CXC chemokine family, is also known as IP-10. CXCL10 was originally identified as a responder to IFN-gamma in monocytes, endothelial cells and fibroblasts. The effects of this chemokine can be induced by binding to the cell surface chemokine receptor CXCR3. Research shows that CXCL10 is a chemoattractant for activated T-lymphocytes, monocytes and macrophages. It also has other functions, such as promotion of T cell adhesion to endothelial cell.
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.
AA Sequence	PLSRTVRCTCIKISDRPVNPRSLEKLEMIPASQSCPHVEIIATMKKNGEKRCCLNPESK TIKNULLKAISKERSKRSPRTQREA with polyhistidine tag at the N-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.

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Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Notes	Please use within one month after protein reconstitution.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ 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

Gene Name	CXCL10 C-X-C motif chemokine ligand 10 [<i>Sus scrofa</i> (pig)]
Official Symbol	CXCL10
Gene ID	494019
mRNA Refseq	NM_001008691.1
Protein Refseq	NP_001008691.1
UniProt ID	A0A4X1SX64

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