Active GMP Recombinant Porcine IL10 Protein, His-Tagged

Cat. No. IL10-01P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Porcine IL10 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	Interleukin 10 (IL-10), also known as human cytokine synthesis inhibitory factor (CSIF), is an anti-inflammatory cytokine. In humans, interleukin 10 is encoded by the IL10 gene. IL-10 signals through a receptor complex consisting of two IL-10 receptor-1 and two IL-10 receptor-2 proteins. Consequently, the functional receptor consists of four IL-10 receptor molecules. IL-10 binding induces STAT3 signalling via the phosphorylation of the cytoplasmic tails of IL-10 receptor 1 + IL-10 receptor 2 by JAK1 and Tyk2 respectively.
Form	Lyophilized
Bio-activity	Measure by its ability to induce proliferation in MC/9-2 cells. The ED50 for this effect is <5 ng/mL.
AA Sequence	MSIKSENSCIHFPTSLPHMLRELRAAFGPVKSFFQTKDQMGDLLLTGSLLEDFKGYL GCQALSEMIQFYLEDVMPKAESDGEDIKEHVNSLGEKLKTLRLRLRRCHQFLPCENK SKAVEEVKSAFSKLQERGVYKAMGEFDIFINYIEAYMTMKMRKN with polyhistidine t ag at the C-terminus

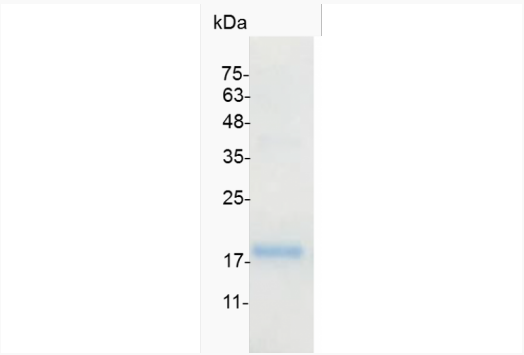
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Endotoxin	<0.1 EU per 1 μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Notes	Please use within one month after protein reconstitution.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, 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 H2O 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	IL10 interleukin 10 [Sus scrofa (pig)]
Official Symbol	IL10
Synonyms	CSIF; IL-10
Gene ID	397106
mRNA Refseq	NM_214041.1
Protein Refseq	NP_999206.1
UniProt ID	Q29055

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