

Active Recombinant Pig IL10 Protein (Ser19-Asn175), C-His tagged, Animal-free, Carrier-free

Cat. No. IL10-204P Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Pig IL10 Protein (Ser19-Asn175) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Pig
Source	E.coli
ProteinLength	Ser19-Asn175
Description	Interleukin 10 (IL-10) is a 17.54 kDa cytokine with 158 amino acid residues and is also known as human cytokine synthesis inhibitory factor (CSIF). IL-10 is an anti-inflammatory cytokine that is mainly secreted from monocytes, lymphocytes, and mast cells. IL-10 participates in the survival, proliferation, and antibody production of B cell via the JAK-STAT signaling pathway and suppress pro-inflammatory cytokine secretion by blocking the NF-κB signaling pathway.
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.
Molecular Mass	The protein has a calculated MW of 19.05 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).

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Endotoxin	< 0.01 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	IL10 interleukin 10 [<i>Sus scrofa</i>]
Official Symbol	IL10
Synonyms	IL10; interleukin 10; interleukin-10; cytokine synthesis inhibitory factor; CSIF; IL-10;
Gene ID	397106
mRNA Refseq	NM_214041
Protein Refseq	NP_999206

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UniProt ID

Q29055

**SDS-PAGE analysis
of recombinant
swine IL-10.**

kDa

75

63

48

35

25

17

11



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