

Active Recombinant Pig IL10 protein

Cat. No. IL10-569P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Pig IL10 protein(Q29055)(Ser19-Asn175) was expressed in E. coli.
Species	Pig
Source	E.coli
ProteinLength	19-175 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized sus scrofa (pig) IL10 at 2 µg/ml (100 µl/well) can bind Rhesus IL10RA-hFc, the EC50 of Rhesus IL10RA-hFc is 25-100 ng/mL. 2. Measured in a cell proliferation assay using MC/9-2 mouse mast cells. The ED50 for this effect is typically 1-5 ng/mL.
Molecular Mass	The recombinant porcine IL10 consists of 158 amino acids and has a predicted molecular mass of 18.2 kDa. The apparent molecular mass of it is approximately 18 kDa in SDS-PAGE under reducing conditions.
Proteinlength	Ser19-Asn175
Purity	> 95 % as determined by SDS-PAGE

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Storage

Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name IL10 interleukin 10 [*Sus scrofa*]

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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