Catalog Number: 500998



# **General Information**

#### Gene Name Synonym

Cytokine synthesis inhibitory factor

#### **Protein Construction**

A DNA sequence encoding the porcine IL10 (Q29055) (Ser19-Asn175) was expressed with an initial Met at the N-terminal.

#### Organism

Sus scrofa (Pig)

#### **Expression Host**

E. coli

# **QC Testing**

#### Activity

1. Immobilized porcineIL10 at 10  $\mu$ g/ml (100  $\mu$ l/well) can bind Cynomolgus IL10RA-Fc (Cat:504750), The EC<sub>50</sub> of Cynomolgus IL10RA-Fc (Cat:504750) is 0.14-0.34  $\mu$ g/ml. 2. Measured in a cell proliferation assay using MC/9-2 mouse mast cells. The ED<sub>50</sub> for this effect is typically 1-5 ng/mL.

## Purity

> 95 % as determined by SDS-PAGE

## Endotoxin

Please contact us for more information.

## Stability

Samples are stable for up to twelve months from date of receipt at -70  $^{\circ}\mathrm{C}$ 

## **Predicted N terminal**

## Met **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.

## Formulation

Lyophilized from sterile PBS, pH 7.4.1.5 % trehalose and mannitol are added as protectants before lyophilization.2. Please contact us for any concerns or special requirements.

# **Usage Guide**

#### Storage

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

## **SDS-PAGE**

KDa	м	
116	-	
66.2	-	
45.0		
35.0	-	
25.0	-	
18.4	-	-
14.4	-	-

Sus scrofa (Pig) IL10 / Interleukin-10 Protein SDS-PAGE  $% \mathcal{A}$