

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 porcine IL10 at 10 µg/ml (100 µl/well) can bind Cynomolgus IL10RA-Fc (Cat:504750), The EC₅₀ of Cynomolgus IL10RA-Fc (Cat:504750) is 0.14-0.34 µg/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.

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°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

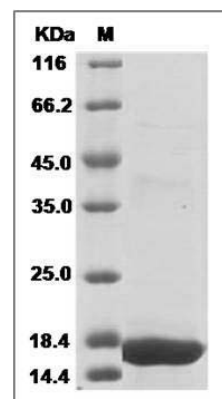
Storage

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



Sus scrofa (Pig) IL10 / Interleukin-10 Protein SDS-PAGE