

## General Information

### Gene Name Synonym

Cytokine Zcyto18; IL-10-related T-cell-derived-inducible factor

### Protein Construction

A DNA sequence encoding human IL22(NP\_065386.1) (Ala34-Ile179) was expressed with a N-terminal Met.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Activity

Measured by its ability to induce IL-10 secretion in COLO 205 human colorectal adenocarcinoma cells. The ED<sub>50</sub> for this effect is typically 0.1-0.5 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 human IL22 consists of 147 amino acids and predicts a molecular mass of 16.9 KDa. It migrates as an approximately 15 KDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 8.0.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

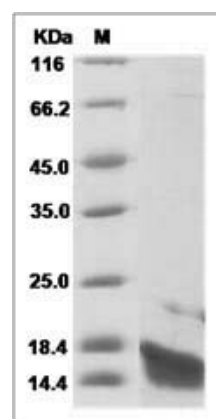
### Storage

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



Human IL22 / IL-22 / Interleukin 22 Protein SDS-PAGE