

# PRODUCT DATA SHEET



Bioworld Technology, Inc.

## Recombinant IL-22, Human(HEK 293-expressed)

Catalog Number: BK0315-1mg

Source: HEK 293

Quantity: 1mg

### Description:

Interleukin-22 (IL-22) is a member of the IL-10 family of regulatory cytokines which includes IL-10, IL-19, IL-20, IL-22, IL-24 and IL-26. Members of this family share partial homology in their amino acid sequences, but they are dissimilar in their biological functions. Produced by T lymphocytes, IL-22 inhibits IL-4 production by Th2 cells, and induces acute phase reactants in the liver and pancreas. IL-22 signals through a receptor system consisting of IL-10R- $\beta$ /CRF2-4 and IL-22R, both of which are members of the class II cytokine-receptor family.

### Molecular Weight:

16~28 kDa, observed by reducing SDS-PAGE.

### Purity:

> 95% as analyzed by SDS-PAGE.

### Biological Activity:

Active, measured by its ability to activate STAT following receptor ligand interaction.

### Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

### Formulation:

Lyophilized after extensive dialysis against PBS.

### AA Sequence:

APISSHCRLDKSNFQQPYITNRT-  
FMLAKEASLADNNTDVRLLIGEKL-  
HGVSMSERCYLMKQVLNFTLEEVLPQS-  
DRFQPYMQEVVPFLARLS-  
NRLSTCHIEGDDLHIQRNVQKLKDTVKKLGESG  
EIKAI GELDLLFMSLRNACI

### Endotoxin:

< 0.2 EU/ $\mu$ g, determined by LAL method.

### Reconstitution:

Reconstituted in ddH<sub>2</sub>O or PBS at 100  $\mu$ g/ml.

### Storage:

Lyophilized recombinant Human Interleukin-22 (IL-22) remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Human Interleukin-22 (IL-22) should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.

### Usage:

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