

Datasheet for ABIN7274919  
**IL-22 Protein (AA 34-179) (His tag)**

## 5 Images

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## Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 100 µg                                       |
| Target:                       | IL-22 (IL22)                                 |
| Protein Characteristics:      | AA 34-179                                    |
| Origin:                       | Human  |
| Source:                       | HEK-293 Cells                                |
| Protein Type:                 | Recombinant                                  |
| Purification tag / Conjugate: | This IL-22 protein is labelled with His tag. |

## Product Details

|                              |   |
|------------------------------|---|
| Purpose:                     | Human IL-22 Protein   |
| Sequence:                    | Ala34-Ile179  |
| Characteristics:             | Recombinant Human IL-22 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Ala34-Ile179.  |
| Purity:                      | > 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC   |
| Sterility:                   | 0.22 µm filtered  |
| Endotoxin Level:             | Less than 1EU per µg by the LAL method.   |
| Biological Activity Comment: | Immobilized Human IL-22, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Human IL-22R alpha 1, hFc Tag with the EC50 of 10.2ng/ml determined by ELISA. See testing image for detail. |

## Target Details

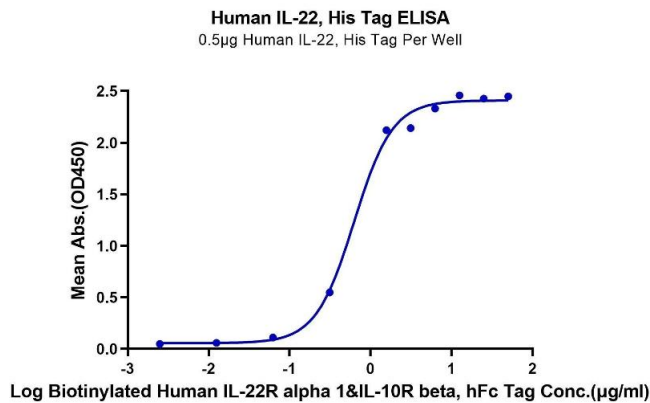
|                   |  |
|-------------------|--|
| Target:           | IL-22 (IL22)   |
| Alternative Name: | IL-22 ( <a href="#">IL22 Products</a> )  |
| Background:       | The cytokine interleukin-22 (IL-22) is a critical regulator of epithelial homeostasis. It has been implicated in multiple aspects of epithelial barrier function, including regulation of epithelial cell growth and permeability, production of mucus and antimicrobial proteins (AMPs), and complement production. |
| Molecular Weight: | 17.8 kDa. Due to glycosylation, the protein migrates to 28-40 kDa based on Tris-Bis PAGE result.   |
| UniProt:          | <a href="#">Q9GZX6</a>   |

## Application Details

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

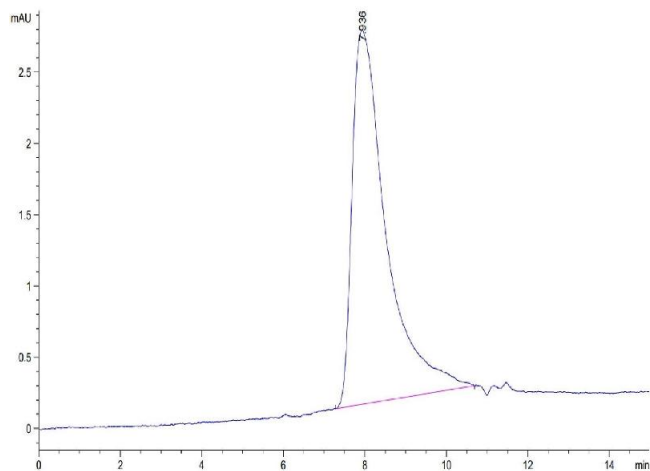
## Handling

|                  |   |
|------------------|---|
| Format:          | Lyophilized   |
| Reconstitution:  | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.  |
| Buffer:          | Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.  |
| Storage:         | -20 °C,-80 °C   |
| Storage Comment: | -20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |
| Expiry Date:     | 12 months   |



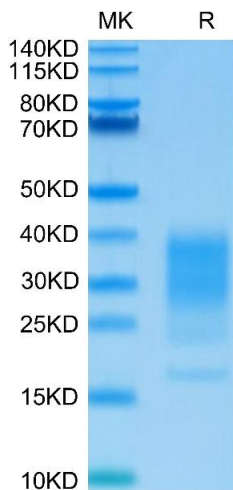
ELISA

**Image 1.** Immobilized Human IL-22, His Tag at 5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human IL-22R alpha1&IL-10R beta, hFc Tag with the EC50 of 0.63 µg/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Human IL-22 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

**Image 3.** Human IL-22 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7274919.