

**Synonym**

IL22RA2,CRF2-S1,IL-22BP,CRF2-10,CRF2-S1

**Source**

Human IL-22BP Protein, Fc Tag(ILP-H5254) is expressed from human 293 cells (HEK293). It contains AA Thr 22 - Pro 231 (Accession # [Q969J5-2](#)).

Predicted N-terminus: Thr 22

**Molecular Characterization**

IL-22BP(Thr 22 - Pro 231) Q969J5-2	Fc(Pro 100 - Lys 330) P01857
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This protein carries a human IgG1 Fc tag at the C-terminus

The protein has a calculated MW of 51 kDa. The protein migrates as 65-85 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

**Endotoxin**

Less than 1.0 EU per µg by the LAL method.

**Purity**

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

**Formulation**

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

**Reconstitution**

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

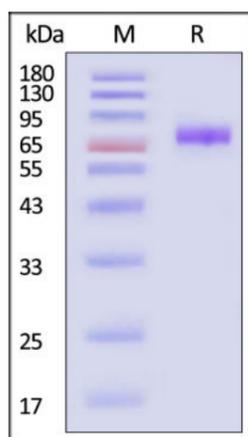
**Storage**

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

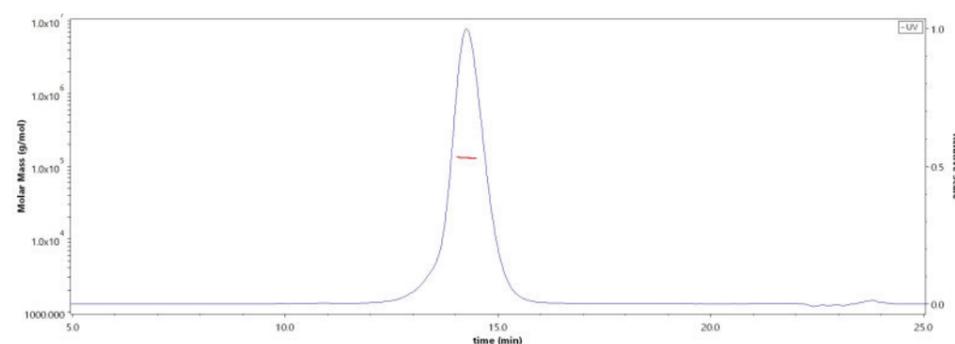
*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

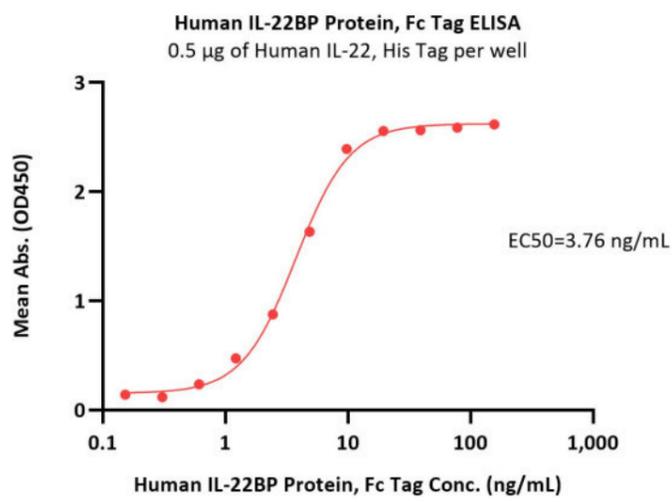
**SDS-PAGE**

Human IL-22BP Protein, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

**Bioactivity-ELISA****SEC-MALS**

The purity of Human IL-22BP Protein, Fc Tag (Cat. No. ILP-H5254) is more than 90% and the molecular weight of this protein is around 120-140 kDa verified by SEC-MALS.

[Report](#)



Immobilized Human IL-22, His Tag (Cat. No. IL2-H524a) at 5 µg/mL (100 µL/well) can bind Human IL-22BP Protein, Fc Tag (Cat. No. ILP-H5254) with a linear range of 0.2-10 ng/mL (QC tested).

## Background

This gene encodes a member of the class II cytokine receptor family. The encoded soluble protein specifically binds to and inhibits interleukin 22 activity by blocking the interaction of interleukin 22 with its cell surface receptor. The encoded protein may be important in the regulation of inflammatory response, and has been implicated in the regulation of tumorigenesis in the colon. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Isoform 1 may play a role in establishing and maintaining successful pregnancy. Isoform 2 is a receptor for IL22. Binds to IL22, prevents interaction with the functional IL-22R complex and blocks the activity of IL22 (in vitro). May play an important role as an IL22 antagonist in the regulation of inflammatory responses.

## Clinical and Translational Updates

Please contact us via [TechSupport@acrobiosystems.com](mailto:TechSupport@acrobiosystems.com) if you have any question on this product.