

Animal-Free Recombinant Human IL -22
Catalog # PBG10524**Specification**

Animal-Free Recombinant Human IL -22 - Product Information**Animal-Free Recombinant Human IL -22 - Additional Information****Description**

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- β /CRF2-4 and IL-22R, both of which are members of the class II cytokine-receptor family. Recombinant human IL-22 is a 33.6 kDa non-disulfide-linked homodimeric protein containing of two 146 amino acid polypeptide chains.

BiologicalActivity

Assay #1: Determined by its ability to activate STAT following receptor ligand interaction.
Assay #2: Measured by its ability to induce IL-10 secretion in COLO 205 (human colon carcinoma cells). The expected ED₅₀ for this effect is 0.7- 1.0 ng/ml.

Authenticity

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin

Endotoxin level is <0.1 ng/ μ g of protein (<1EU/ μ g).

Protein Content

Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage

-20°C

Precautions

Animal-Free Recombinant Human IL -22 is for research use only and not for use in diagnostic or therapeutic procedures.

Animal-Free Recombinant Human IL -22 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Animal-Free Recombinant Human IL -22 - Images