

## 32-20437: Recombinant Human IL-22(Discontinued)

**Reactivity :** Human, Monkey, Mouse

**Alternative Name :** Interleukin-22, IL-TIF, Cytokine ZCYTO18

### Description

**Source:** *E.coli* 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-10RBeta /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 consisting of two 147 amino acid polypeptide chains.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** MAPISSHCRL DKSNFQQPYI TNRTFMLAKE ASLADNNTDV RLIGEKLFHG VMSERCYLM KQVLNFTLEE  
VLFPSQDRFQ PYMQEVVFFL ARLSNRLSTC HIEGDDLHIQ RNVQKLKDTV KKLGESGEIK AIGELDLLFM  
SLRNACI

### Application Note

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 ED<sub>50</sub> for this effect is 0.7- 1.0 ng/ml.