

## Recombinant Murine IL-22

**CATALOG #:** 4602-10 10 µg  
4602-50 50 µg  
4602-1000 1 mg

**LOT #:** \_\_\_\_\_

**SOURCE:** *E. coli*

**PURITY:** >97% by SDS-PAGE and HPLC  
Endotoxin level is <0.1 ng per µg of IL-22.

**MOL. WEIGHT:** 33.4 kDa

**FORM:** Lyophilized from 1X PBS Solution

### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1 to 1.0 mg/ml. This solution can then be stored at 4°C for 1 week or -20°C for future use. For long term storage, it is recommended to add a carrier protein (e.g., 0.1% BSA). Avoid repeating freeze/thaw cycles.

### STORAGE CONDITIONS:

The lyophilized IL-22 is best-stored desiccated below 0°C. Reconstituted IL-22 should be stored at working aliquots at -20°.

### DESCRIPTION:

Murine Interleukin-22 (IL-22), also known as T cell-derived inducible factor (ILTIF), is a cytokine that is structurally related to IL-10. Studies have shown that IL-22 induces acute-phase reactants *in vitro* and *in vivo*, suggesting that the cytokine contributes to the regulation of inflammatory responses. Recombinant murine IL-22 contains 2 x 146 amino acid chains having a total molecular mass of 33.4 kDa.

### ACTIVITY:

Recombinant murine IL-22 is fully biologically active when compared to a standard. The ED50 as determined by its ability to induce IL-10 secretion in Colo205 cells is less than 0.5 ng/ml, corresponding to a specific activity of 2 x 10<sup>6</sup> IU/mg.

**FOR RESEARCH USE ONLY! Not to be used on humans.**

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