

---

**Recombinant Mouse Interleukin-22/IL-22 Protein(C-mFc)****Cat.NO.: TP05345**

3th Edition

**Synonyms:**Interleukin-22; IL-22; IL-TIF alpha; IL-10-related T-cell-derived-inducible factor; IL-TIF; IL22; Interleukin-22a; IL-22a

**Description:**Interleukin-22 (IL-22) was initially identified as a gene induced by IL-9 in mouse T cells and mast cells. Mouse IL-22 cDNA encodes a 179 amino acid residue protein with a putative 33 amino acid signal peptide that is cleaved to generate a 147 amino acid mature protein that shares approximately 79% and 22% sequence identity with human IL22 and IL10, respectively. IL22 has been shown to activate STAT-1 and STAT-3 in several hepatoma cell lines and up-regulate the production of acute phase proteins. IL-22 is produced by normal mouse T cells upon Con A activation. Mouse IL-22 expression is also induced in various organs upon lipopolysaccharide injection, suggesting that IL-22 may be involved in inflammatory responses. The functional IL-22 receptor complex consists of two receptor subunits, IL-22R (previously an orphan receptor named CRF2-9) and IL-10R? (previously known as CRF2-4), belonging to the class II cytokine receptor family.

**Form:**PBS

**Molecular Weight:**43.8 kDa

**Sequences:**Leu34-Val179

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.