

## IL-TIF, TIF

Catalog # PVGS1014

### Product Information

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<b>Species</b>	Mouse
<b>Purity</b>	Greater than 97.0%, as determined by the following methods: (a) RP-HPLC analysis (b) Reducing and non-reducing SDS-PAGE silver stained gel analysis
<b>Endotoxin Level</b>	Less than 0.1 ng/ $\mu$ g (1 EU/ $\mu$ g) of recombinant mouse Interleukin-22 (IL-22) as determined by LAL test.
<b>Formulation</b>	The protein was lyophilized after extensive dialysis against 20mM PB, pH 6.5, 300mM NaCl buffer.
<b>Reconstitution</b>	It is recommended that reconstitute the lyophilized recombinant mouse Interleukin-22 (IL-22) be reconstituted in sterile 18 M $\Omega$ -cm H <sub>2</sub> O not less than 100 $\mu$ g/ml, which can then be further diluted to other aqueous solutions.

### Additional Information

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<b>Target Background</b>	<p>Interleukin-22 (IL-22), also known as IL-10-related T cell-derived inducible factor (IL-TIF), was initially identified as a gene induced by IL-9 in mouse T cells and mast cells. Mouse Interleukin-22 (IL-22) cDNA encodes a 179 amino acid (aa) residue protein with a putative 33 aa signal peptide that is cleaved to generate a 147 aa mature protein that shares approximately 79% and 22% aa sequence identity with human IL-22 and IL-10, respectively. Mouse Interleukin-22 (IL-22) is produced by normal mouse T cells upon Con activation. Interleukin-22 (IL-22) has been shown to activate STAT-1 and STAT-3 in several hepatoma cell lines and upregulate the production of acute phase proteins. Mouse Interleukin-22 (IL-22) expression is also induced in various organs upon lipopolysaccharide injection, suggesting that Interleukin-22 (IL-22) may be involved in inflammatory responses. The functional Interleukin-22 (IL-22) receptor complex consists of two receptor subunits, IL-22R (previously an orphan receptor named CRF2-9) and IL-10R<math>\beta</math> (previously known as CRF2-4), belonging to the class II cytokine receptor family.</p> <p>Recombinant mouse Interleukin-22 (IL-22), produced in E. coli, is a single, non-glycosylated polypeptide chain containing 147 amino acids and having a molecular mass of 16,700 Da.</p>
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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.