

## Product datasheet for **TP727464**

### IL22 Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Interleukin-22/IL-22 (C-mFc)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Leu34-Val179
Tag:	C-mFc
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB,150mM NaCl,, pH7.4.
Note:	Recombinant Mouse Interleukin-22 is produced by our Mammalian expression system and the target gene encoding Leu34-Val179 is expressed with a mFc tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	50929
UniProt ID:	<a href="#">Q9JJY9</a>
Summary:	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 $\beta$ (previously known as CRF2-4), belonging to the class II cytokine receptor family.



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