

## 32-8738: Recombinant Mouse Interleukin-22/IL-22 (C-mFc)

 Gene :
 II22

 Gene ID :
 50929

 Uniprot ID :
 Q9JJY9

## **Description**

Source: Human Cells. MW :43.8kD.

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. 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.

## **Product Info**

| Amount :            | 10 μg / 50 μg   |
|---------------------|---|
| Content :           | Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.  |
| Storage condition : | Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.<br>Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted<br>samples are stable at -20°C for 3 months.   |
| Amino Acid :        | LPVNTRCKLEVSNFQQPYIVNRTFMLAKEASLADNNTDVRLIGEKLFRGVSAKDQCYLMKQVLNFTLEDVLLPQ<br>SDRFQPYMQEVVPFLTKLSNQLSSCHISGDDQNIQKNVRRLKETVKKLGESGEIKAIGELDLLFMSLRNACVGG<br>GGSGGGGSGGGGSPRGPTIKPCPPCKCPAPNLLGGPSVFIFPPKIKDVLMISLSPIVTCVVVDVSEDDPDVQISW<br>FVNNVEVHTAQTQTHREDYNSTLRVVSALPIQHQDWMSGKEFKCKVNNKDLPAPIERTISKPKGSVRAPQVYV<br>LPPPEEEMTKKQVTLTCMVTDFMPEDIYVEWTNNGKTELNYKNTEPVLDSDGSYFMYSKLRVEKKNWVERNSY<br>SCSVVHEGLHNHHTTKSFSRTPGK |

## **Application Note**

**Endotoxin :** Less than 0.1 ng/ $\tilde{A}$   $\hat{A}\mu g$  (1 IEU/ $\tilde{A}$   $\hat{A}\mu g$ ) as determined by LAL test.