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

Gene : Il22
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. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : LPVNTRCKLEVSNFQQPYIVNRTFMLAKEASLADNNTDVRLIGEKLFRGVSAKDQCYLMKQVLNFTLEDVLLPQ SDRFQPYMQEVVPFLTKLSNQLSSCHISGDDQNIQKNVRRLKETVKKLGESGEIKAIGELDLLFMSLRNACVGG GGSGGGGSGGGGSPRGPTIKPCPPCKCPAPNLLGGPSVFIFPPKIKDVLMISLSPIVTCVVVDVSEDDPDVQISW FVNNVEVHTAQTQTHREDYNSTLRVVSALPIQHQDWMSGKEFKCKVNNKDLPAPIERTISKPKGSVRAPQVYV LPPPEEEMTKKQVTLTCMVTDFMPEDIYVEWTNNGKTELNYKNTEPVLDSDGSYFMYSKLRVEKKNWVERNSY SCSVVHEGLHNHHTTKSFSRTPGK

Application Note

Endotoxin : Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.