

32-20453: Recombinant Murine IL-22(Discontinued)

Reactivity : Human, Mouse

Alternative Name : Interleukin-22, IL-TIF, Cytokine ZCYTO18

Description

Source: *E.coli* IL-22 is a member of the IL-10 family of regulatory cytokines, which includes IL-10, IL-19, IL-20, IL-22, IL-24 and IL-26. Members of this family share partial homology in their amino acid sequences, but they are dissimilar in their biological functions. Produced by T lymphocytes, IL-22 inhibits IL-4 production by Th2 cells, and induces acute phase reactants in the liver and pancreas. IL-22 signals through a receptor system consisting of IL-10RBeta /CRF2-4 and IL-22R, both of which are members of the class II cytokine-receptor family. Recombinant Murine IL-22 is a 33.4 kDa, non-disulfide-linked, homodimeric protein consisting of two 147 amino acid polypeptide chains.

Product Info

Amount : 2 µg / 10 µg

Purification : Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

Content : This recombinant protein is supplied in lyophilized form.

Amino Acid : MLPVNTRCKL EVSNFQOPYI VNRTFMLAKE ASLADNNTDV RLIGEKLFGRG VSAKDQCYLM KQVLNFTLED
VLLPQSDRFQ PYMQEVVPFL TKLSNQLSSC HISGDDQNIQ KNVRRLLKETV KKLGESGEIK AIGELDLLFM
SLRNACV

Application Note

Determined by its ability to induce STAT3 activation in COLO 205 cells. The expected ED_{50} for this effect is 150-400 pg/ml.