

Product datasheet for **TP727463**

IL22 Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant Human Interleukin-22/IL-22 (C-hlgG4 Fc)

Species: Human

Expression cDNA Clone or AA Sequence: Ala34-Ile179

Tag: C-hlgG4 Fc

Buffer: Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.

Note: Recombinant Human Interleukin-22 is produced by our Mammalian expression system and the target gene encoding Ala34-Ile179 is expressed with a hlgG4 Fc tag at the C-terminus.

Stability: 12 months from date of despatch

Locus ID: 50616

UniProt ID: [Q9GZX6](#)

Summary: Interleukin-22(IL-22) is a member of a group of the IL-10 family, a class of potent mediators of cellular inflammatory responses. IL-22 is produced by activated DC and T cells. IL-22 and IL-10 receptor chains play a role in cellular targeting and signal transduction. It can initiate and regulate innate immune responses against bacterial pathogens especially in epithelial cells such as respiratory and gut epithelial cells. IL-22 along with IL-17 likely plays a role in the coordinated response of both adaptive and innate immune systems. IL-22 also promotes hepatocyte survival in the liver and epithelial cells in the lung and gut similar to IL-10. Biological activity of IL-22 is initiated by binding to a cell-surface complex consisting of IL-22R1 and IL-10R2 receptor chains. IL-22 biological activity is further regulated by interactions with a soluble binding protein, IL-22BP. IL-22BP and an extracellular region of IL-22R1 share sequence similarity. In some cases, the pro-inflammatory versus tissue-protective functions of IL-22 are regulated by cytokine IL-17A.



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