

Recombinant Mouse IL-22

Cat. No. IL22-90M Lot. No. (See product label)

SPECIFICATION

Product Overview	Mouse IL-22 was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
Species	Mouse
Source	Yeast
Description	IL-22 is a member of the IL-10 family, which includes IL-19, IL-20, IL-24, and IL-26. This family represents a class of potent mediators of cellular inflammatory responses. IL-22 shares use of IL-10R2 in cell signaling with other members of this family. IL-22 is produced by activated DC and T cells and initiates innate immune responses against bacterial pathogens, especially in epithelial cells such as respiratory and gut epithelial cells. IL-22 along with IL-17 is rapidly produced by a subset of splenic cells and can also be produced by Th17 cells. IL-22 likely plays a role in the coordinated response of both adaptive and innate immune systems.
Form	Lyophilized
Molecular Mass	16.7 kDa
AA Sequence	LPVNTRCKLE VSNFQQPYIV NRTFMLAKEA SLADNNTDVR LIGEKLFGRGV NAKDQCYLMK QVLNFTLEDV LLPQSDRFQP YMQEVPFLT KLSNQLSSCH ISGDDQNIQK NVRRLKETVK KLGESGEIKA IGELDLLFMS LRNACV (146)
Applications	The mouse IL-22 protein can be used in cell culture, as an IL-22 ELISA Standard, and

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as a Western Blot Control.

Storage -20 C

GENE INFORMATION

Gene Name IL22 interleukin 22 [*Mus musculus*]

Official Symbol IL22

Synonyms IL22; interleukin 22; interleukin-22; ILTIF alpha; IL-TIF alpha; interleukin-22a; IL-10-related T-cell-derived-inducible factor; interleukin 10-related T cell-derived inducible factor; IL-22; Iltif; IL-22a; ILTIFa; MGC129416; MGC129417;

Gene ID 50929

mRNA Refseq NM_016971

Protein Refseq NP_058667

Pathway Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem;

Function cytokine activity; protein binding;

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