

Recombinant Mouse IL22, His-tagged

Cat. No. IL22-344M Lot. No. (See product label)

SPECIFICATION

Product Overview Mouse IL-22 (aa 34-179) is fused at the N-terminus to a His-tag.

Species Mouse

Source E.coli

ProteinLength 34-179 a.a.

Description Interleukin-22 (IL-22), also known as IL-10 related T cell-derived-inducible factor (ILTIF) was initially identified as a gene induced by IL-9 in mouse T cells and mast cells. IL-22 has been shown to activate STAT1 and STAT3 in several hepatoma cell lines and upregulate the production of acute phase proteins. IL-22 is produced by normal T cells upon anti-CD3 stimulation in humans. 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(CRF29) and IL-10Rbeta(CRF24), belonging to the class II cytokine receptor family.

Form Lyophilized from 0.2µm-filtered solution in PBS.

Purity ≥95% (SDS-PAGE)

Stability Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.

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Storage Short Term Storage: +4°C; Long Term Storage: -20°C. Avoid freeze/thaw cycles.

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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