

IL18

Recombinant Human Interleukin-18 (IL-18)

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|---------------------------------|---|------------------|---------------------------|
| Catalog No. | CRI241A CRI241B CRI241C | Quantity: | 25 µg 100 µg 1.0 mg |
| Alternate Names: | IGIF; IL-18; IL-1g; IL1F4 | | |
| Description: | Interleukin-18 (IL-18), an 18 kDa cytokine, is a single, non-glycosylated polypeptide chain containing 157 amino acids. IL-18 was previously known as interferon-γ inducing factor (IGIF). This pleiotropic cytokine is produced by monocyte/macrophage cells. Like IL-12, IL-18 plays an important role in cell-mediated immune responses. The protein encoded by this gene is a proinflammatory cytokine that augments natural killer cell activity in spleen cells, and stimulates interferon gamma production in T-helper type I cells. | | |
| Gene ID: | 3606 | | |
| UniProtKB: | Q14116 | | |
| Source: | <i>E. coli</i> | | |
| Molecular Weight: | 18.3 kDa | | |
| Formulation: | Lyophilized from a sterile filtered solution in PBS. | | |
| Purity: | > 98% by SDS-PAGE and HPLC | | |
| Endotoxin Level: | < 0.1 ng/µg | | |
| Biological Activity: | The ED ₅₀ as determined by dose-dependent stimulation of IFN _γ by human PBMC co-stimulated with recombinant human IL-12 was found to be 5 ng/mL. | | |
| Reconstitution: | Centrifuge vial prior to opening. Reconstitute in ice-cold water to a concentration of 0.5 - 1 µg/µL. | | |
| Storage & Stability: | Upon receipt store desiccated at -20 °C to -80 °C. Upon reconstitution store at 2-4 °C for up to one week, or long term in aliquots -80 °C. Avoid repeated freeze-thaw cycles. | | |

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