

Active Recombinant Human IL18, MlgG2a Fc-tagged

Cat. No. IL18-546H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | The extracellular domain of human IL-18 (NP_001553.1)(Tyr37-Asp193) is fused to the N-terminus of the Fc region of mouse IgG2a was expressed in CHO cell. |
| Species | Human |
| Source | CHO |
| ProteinLength | 37-193 a.a. |
| Description | 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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. |
| Form | Lyophilized from 0.2µm-filtered solution in PBS. |
| Bio-activity | Induction of IFN-γ in response to the recombinant human IL-18 was measured using human IFN-γ ELISA. |
| Molecular Mass | 44KDa (monomer) |
| AA Sequence | Tyr37-Asp193 |
| Endotoxin | <0.06 eu/µg="" as="" determined="" by="" lal="" test=""> |

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|-----------------------|---|
| Purity | >98%, by SDS-PAGE under reducing conditions. |
| 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. |
| Reconstitution | Reconstitute at 100µg/ml in sterile PBS. |
| Warning | Avoid freeze/thaw cycles. |

GENE INFORMATION

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| Gene Name | IL18 interleukin 18 (interferon-gamma-inducing factor) [Homo sapiens] |
| Official Symbol | IL18 |
| Synonyms | IL18; interleukin 18 (interferon-gamma-inducing factor); interleukin-18; IGIF; IL 1g; IL 18; IL1F4; IL-1 gamma; iboctadekin; interleukin-1 gamma; IFN-gamma-inducing factor; IL-18; IL-1g; MGC12320; |
| Gene ID | 3606 |
| mRNA Refseq | NM_001243211 |
| Protein Refseq | NP_001230140 |
| MIM | 600953 |
| UniProt ID | Q14116 |
| Chromosome Location | 11q22.2-q22.3 |

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Pathway

African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Cellular roles of Anthrax toxin, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Cytosolic DNA-sensing pathway, organism-specific biosystem;

Function

cytokine activity; cytokine activity;

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