Active Recombinant Human IL18, HIgG1 Fc-tagged

Cat. No. IL18-551H **Lot. No.** (See product label)

SPECIFICATION

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 a human IgG1 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 inspleen cells, and stimulates interferon gamma production in T-helper type I cells. Alternatively splicedtranscript 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.="">

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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

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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