Active Recombinant Mouse IL18, MIgG2a Fc-tagged, mutant

Cat. No. IL18-638M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of mouse IL-18 (NP_032386.1)(Asn36-Ser192) is fused to the N-terminus of the Fc region of a mutant mouse IgG2a was expressed in CHO cell.
Species	Mouse
Source	CHO
ProteinLength	36-192 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 mouse IL-18 was measured.
Molecular Mass	45KDa (monomer)
AA Sequence	Asn36-Ser192
Endotoxin	<0.06 eu/μg="" as="" determined="" by="" lal="" test.="">
Purity	>98%, by SDS-PAGE under reducing conditions.

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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 [Mus musculus]
Official Symbol	IL18
Synonyms	IL18; interleukin 18; interleukin-18; IL-1 gamma; interleukin-1 gamma; IFN-gamma-inducing factor; interferon gamma-inducing factor; interferon-gamma-inducing factor; Igif; Il-18;
Gene ID	16173
mRNA Refseq	NM_008360
Protein Refseq	NP_032386
Pathway	African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem; Hypertrophy Model, organism-specific biosystem;
Function	cytokine activity;

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