

Recombinant, Rat Interleukin-18 (IL-18)

CATALOG #:	4181-10 (10 µg)
SOURCE:	<i>E. coli</i>
PURITY:	> 95% by SDS-PAGE analysis
ENDOTOXIN LEVEL:	< 0.2 EU/µg as determined by LAL method
MOL. WEIGHT:	18.4 kDa
FORM:	Lyophilized after extensive dialysis against 50 mM Tris, 50 mM NaCl, pH 8.0

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 100 µg/ml. Gently pipette to mix it well. The solution can be stored at 4°C for 2 weeks or -20°C for 3 months. Protein should be aliquoted and stored at -20°C or -80°C. Avoid repeated freeze-thaw cycles.

STORAGE CONDITIONS:

The lyophilized IL-18 is stable at -70°C for 6 months.

DESCRIPTION:

Interleukin-18 (IL-18) is a cytokine that is produced by macrophages and other cells. It has been shown to induce interferon-gamma production in KG-1 cells. Recombinant rat IL-18 is a single, non-glycosylated polypeptide containing 159 amino acids and having a molecular weight of 18.4 kDa.

BIOLOGICAL ACTIVITY:

IL-18 (ED50 < 2 µg/ml) induced the secretion of 0.15 ng/ml h-IFN-gamma when tested using KG-1 cell line, corresponding to a specific activity of >500 units/mg.

FOR RESEARCH USE ONLY! Not to be used in humans.

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