

Recombinant Rat Interleukin-18 (IL-18)

CATALOG #:	4181-5	5 µg
	4181-25	25 µg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	>95% by SDS-PAGE and HPLC analysis Endotoxin level is <0.1 ng per µg of IL-18.	
MOL. WEIGHT:	18.3 kDa	
FORM:	Lyophilized (from 1 mg/ml in 0.4X PBS)	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 µg/µl. Gently pipetting to mix well. The solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

STORAGE CONDITIONS:

The lyophilized IL-18 is best-stored desiccated below 0°C. Reconstituted IL-18 should be stored at working aliquots at -20°C.

DESCRIPTION:

Recombinant rat IL-18 is a single, non-glycosylated polypeptide containing 158 amino acids and having a molecular weight of 18.3 kDa.

BIOLOGICAL ACTIVITY:

The mouse IL-18 is fully biologically active when compared to standard. The ED₅₀ as determined by the dose-dependent stimulation of IFN-gamma by murine lymph node cells, stimulated with sub optimal dose of ConA (0.75 µg/ml) is 12 ng/ml.

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

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