

## Recombinant Human Interleukin-18 (IL-18)

CATALOG #:	4179-25	25 µg
	4179-100	100 µg
	4179-1000	1 mg
LOT #:	<hr/>	
SOURCE:	<i>E. coli</i>	
PURITY:	>98% by SDS-PAGE and HPLC Endotoxin level is <0.1 ng per µg of IL-18.	
FORM:	Sterile filtered and lyophilized from PBS	
MOL. WEIGHT:	18.3 kDa	

### RECONSTITUTION:

Reconstitute in ice-cold water to a concentration of 0.5-1 µg/µl. The solution can be stored at 4 °C for 1 week. For storage, prepare appropriate aliquots and freeze them at -80°C for future use.

### STORAGE CONDITIONS:

The lyophilized human IL-18 is best-stored desiccated below 0°C. Reconstituted IL-18 should be stored at working aliquots at -80°C.

### DESCRIPTION:

Interleukin-18 (IL-18), an 18 kDa cytokine, is a single, non-glycosylated polypeptide chain containing 157 amino acids. IL-18 was previously known as interferon-γ inducing factor (IGIF). This pleiotropic cytokine is produced by monocyte/macrophage cells. Like IL-12, IL-18 plays an important role in cell-mediated immune responses.

### BIOLOGICAL ACTIVITY:

The ED<sub>50</sub> as determined by dose-dependent stimulation of the IFN<sub>γ</sub> by human PBMC co-stimulated with rh-IL-12 was found to be 5 ng/ml.

**FOR RESEARCH USE ONLY! Not to be used on humans.**

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- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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