

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

<b>CATALOG #:</b>	4179-25	25 µg
	4179-100	100 µg
	4179-1000	1 mg
<b>LOT #:</b>	_____	
<b>SOURCE:</b>	<i>E. coli</i>	
<b>PURITY:</b>	>98% by SDS-PAGE and HPLC Endotoxin level is <0.1 ng per µg of IL-18.	
<b>FORM:</b>	Sterile filtered and lyophilized from PBS	
<b>MOL. WEIGHT:</b>	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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- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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