

Recombinant Human Interleukin-18 (IL-18)

CATALOG #: 4179-25

AMOUNT: 25 µg

LOT #: _____

SOURCE: *E. coli*

PURITY: >98% by SDS-PAGE and HPLC
Endotoxin level is <0.1 ng per µg of IL-18.

FORM: Sterile filtered and lyophilized from 0.5X 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 ED₅₀ as determined by dose-dependent stimulation of the IFN γ by human PBMC co-stimulated with rh-IL-12 was found to be 5 ng/ml.

Research Use: For Research Use Only. Not to be used in human.

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