

Human IL-18

Synonyms: IGIF, IL-1g, IL-18, IL1F4, MGC12320, IFN-gamma-inducing factor, Interleukin-1 gamma, IL-1 gamma, Iboctadekin.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
5 µg	1576.950.005		
25 µg	1576.950.025		
1 mg	1576.950.199		

Please enquire for bulk quantities and other vial sizes

Description

Interleukin-18 Human Recombinant produced in *E. Coli* is a single, non-glycosylated polypeptide chain containing 157 amino acids and having a molecular mass of 18.2 kDa.

- **Source** *E. Coli*
- **Purity** ≥ 95 % (SDS-PAGE)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** Lyophilized from a concentrated (1mg/ml) solution in PBS and DTT*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

The ED₅₀ is 1.5-9 ng/mL and is measured by Interleukin 18 ability to induce IFN-γ secretion by KG-1 human acute myelogenous leukemia cells in the presence of TNF-α.

Reconstitution

It is recommended to reconstitute the lyophilized Interleukin 18 in sterile 18MΩ-cm H₂O not less than 200µg/ml, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized Interleukin 18 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL18 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please avoid repeated freeze-thaw cycles.**

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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