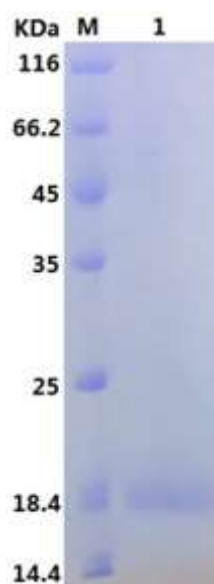


Recombinant Human Interleukin-18/IL-18

Catalog No: BP071

Description	Recombinant Human IL-18 is produced by <i>E.coli</i> . The target gene encoding Tyr37-Asp193 is expressed.
Expression System	<i>E. coli</i>
Alternative name	Interleukin-18; Iboctadekin; Interferon gamma-inducing factor; IFN-gamma-inducing factor; Interleukin-1 gamma; IL-1 gamma; GIF; IL-18; IL-1g; IL1F4; MGC12320
Accession No.	Q14116
Predicted Molecular Weight	18.2kDa
Apparent Molecular Weight	IL-18 appeared at 18.4KDa in a reducing SDS-PAGE gel.
Quality Control	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by TAL test.
Formulation	PBS, pH 7.4
Reconstitution	It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Background	Interleukin-18 (IL-18) is a secreted protein that belongs to the IL-1 family. IL-18 is a proinflammatory cytokine and can be expressed by multiple types of cells, including endothelial and epithelial cells, keratinocytes, gamma delta T cells, and phagocytes. This cytokine can modulate both innate and adaptive. Once binding to IL18R1 and IL18RAP, it can form a signaling ternary complex which activates NF-kappa-B, triggering synthesis of inflammatory mediators. The combination of IL-18 and IL-12 can induce IFNG synthesis from T-helper 1 (Th1) cells and natural killer (NK) cells.

SDS-PAGE



M: Marker

1: Sample in reducing conditions