

# Recombinant Mouse Il18 Protein, His tagged

**Cat. No.** Il18-31M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Il18 Protein, Sourced from E.coli, Asn36-Ser192, with N-terminal His Tag.                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 36-192 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | Interleukin-18 (IL-18) is a proinflammatory cytokine that is produced by many cell types including macrophages, dendritic cells, microglial cells, and keratinocytes. It is a member of the IL-1 family of cytokines and functions with IL-12 to induce production of IFN $\gamma$ from T cells and NK cells. Uncontrolled release of IL-18 is associated with severe chronic inflammatory diseases. IL-18 is synthesized as an inactive precursor protein that is processed by caspase-1 into its mature secretable form. |
| <b>Form</b>             | Lyophilized from 1 $\times$ PBS with Trehalose                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | 20.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>           | >95% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Applications</b>     | ELISA and Western Blot Analysis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage</b>          | 2 years at -20 to -80 centigrade as supplied. Upon reconstitution: 2 years at -80                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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centigrade; 2 years at -20 centigrade For long-term storage, store for up to 2 years at -20 & -80 centigrade after reconstitution. Expiration is 2 years from date of receipt.

**Shipping** Ambient

**Reconstitution** Reconstitute at 10 µg/mL in sterile PBS containing at least 0.1% protein.

## GENE INFORMATION

**Gene Name** IL18 interleukin 18 [ *Mus musculus* (house mouse) ]

**Official Symbol** IL18

**Synonyms** IL18; interleukin 18; interleukin-18; IL-1 gamma; interleukin-1 gamma; IFN-gamma-inducing factor; interferon gamma-inducing factor; interferon-gamma-inducing factor; Igif; Il-18;

**Gene ID** 16173

**mRNA Refseq** NM\_008360

**Protein Refseq** NP\_032386

**UniProt ID** P70380

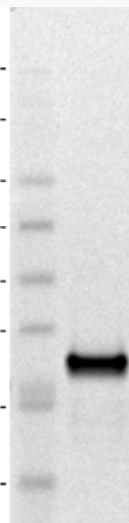
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**SDS-PAGE**

118kDa-  
98kDa-  
62kDa-  
49kDa-  
38kDa-  
28kDa-  
14kDa-  
6kDa-



Mouse IL-18 (2 $\mu$ g) on a Coomassie stained 4-12% SDS-PAGE gel, reducing conditions.

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