

## Recombinant Active Mouse IL18 Protein, His-tagged(C-ter)

Cat. No. II18-155M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Active Mouse IL18 Protein with His tag (C-ter) was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Description</b>	The protein encoded by this gene is a proinflammatory cytokine that augments natural killer cell activity in spleen cells, and stimulates interferon gamma production in T-helper type I cells. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Aug 2011]
<b>Form</b>	Powder
<b>Bio-activity</b>	Determined by its ability to induce IFN gamma secretion in KG-1 cells. The ED50 for this effect is < 0.5 µg/mL.
<b>AA Sequence</b>	MNFGRLHCTTAVIRNINDQVLFVDKRQPVFEDMTDIDQSASEPQTRLIIYMYKDSEVR GLAVTL SVKDSKMSTLSCKNKIISFEEMDPPENIDDIQSDLIFFQKRVP GHNKMEFES SLYEGHFLACQKEDDAFKLILKKDENGDKSVMFTLTNLHQS
<b>Endotoxin</b>	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
<b>Purity</b>	> 98% (by SDS-PAGE)
<b>Applications</b>	SDS-PAGE

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<b>Notes</b>	For laboratory research only, not for drug, diagnostic or other use.
<b>Storage</b>	Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
<b>Storage Buffer</b>	PBS (pH 8.0)
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.

## GENE INFORMATION

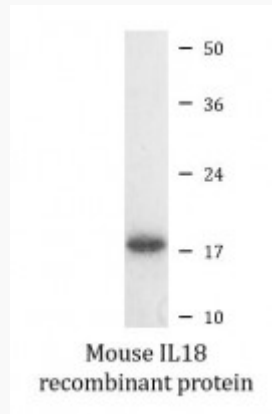
<b>Gene Name</b>	IL18 interleukin 18 [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	IL18
<b>Synonyms</b>	IL18; interleukin 18; interleukin-18; IL-1 gamma; interleukin-1 gamma; IFN-gamma-inducing factor; interferon gamma-inducing factor; interferon-gamma-inducing factor; Igif; Il-18;
<b>Gene ID</b>	16173
<b>mRNA Refseq</b>	NM_008360
<b>Protein Refseq</b>	NP_032386

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**SDS-PAGE**



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