

## Recombinant Mouse IL27 Protein, His-tagged

**Cat. No.** IL27-2307M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse IL27 Protein (Phe29-Ser234) with a N-His tag was expressed in 293F.                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | Phe29-Ser234                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | Enables interleukin-27 receptor binding activity. Acts upstream of or within positive regulation of defense response to virus by host and regulation of T cell proliferation. Located in extracellular space. Is expressed in decidua; embryo; and extraembryonic component. Human ortholog(s) of this gene implicated in asthma; chronic obstructive pulmonary disease; and pulmonary tuberculosis. Orthologous to human IL27 (interleukin 27). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 25.4 kDa<br>Accurate Molecular Mass: 28/30 kDa                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Endotoxin</b>        | <1.0 EU per 1g (determined by the LAL method).                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>           | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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|                       |                                                                                                                                                                                                                                                                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>   | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                   |
| <b>Stability</b>      | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Storage Buffer</b> | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                          |
| <b>Reconstitution</b> | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                            |

## GENE INFORMATION

|                        |                                                                                                                                                               |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">IL27 interleukin 27 [ Mus musculus (house mouse) ]</a>                                                                                            |
| <b>Official Symbol</b> | <a href="#">IL27</a>                                                                                                                                          |
| <b>Synonyms</b>        | IL27; interleukin 27; p28; IL30; IL-27; IL27-A; IL-27-A; IL-27p28; interleukin-27 subunit alpha<br>IL-27 p28 subunit<br>IL-27 subunit alpha<br>interleukin 30 |
| <b>Gene ID</b>         | <a href="#">246779</a>                                                                                                                                        |
| <b>mRNA Refseq</b>     | <a href="#">NM_145636</a>                                                                                                                                     |

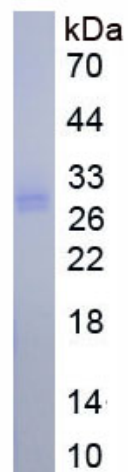
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Protein Refseq NP\_663611

UniProt ID Q8K3I6



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