

## Active Recombinant Mouse IL27 protein, His-Avi-tagged, Biotinylated

**Cat. No.** IL27-0234M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Biotinylated Recombinant Mouse IL27 protein(Tyr19-Pro228(IL-27B)&Phe29-Ser234(IL-27A)), fused with His and Avi tag, was expressed in HEK293.   |
| <b>Species</b>          | Mouse  |
| <b>Source</b>           | HEK293   |
| <b>ProteinLength</b>    | 19-228;29-234 a.a.   |
| <b>Form</b>             | Lyophilized from 0.22 μm filtered solution in 20 mM MOPS, 150 mM NaCl, 0.05% CHAPS, 1mM EDTA, pH7.0. Normally trehalose is added as protectant before lyophilization.  |
| <b>Bio-activity</b>     | Immobilized Human IL-27 Ra, Fc Tag at 5 μg/mL (100 μL/well) can bind Biotinylated Mouse IL-27 Protein, His,Avitag with a linear range of 0.2-4 ng/mL.  |
| <b>Molecular Mass</b>   | This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 52.2 kDa. The protein migrates as 55 kDa (IL-27B) & 60 kDa (IL-27A) under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| <b>Proteinlength</b>    | Tyr19-Pro228(IL-27B)&Phe29-Ser234(IL-27A)  |
| <b>Endotoxin</b>        | Less than 1.0 EU per μg by the LAL method.   |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |   |
|-----------------------|---|
| <b>Purity</b>         | >95% as determined by SDS-PAGE.   |
| <b>Storage</b>        | For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution. |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.   |
| <b>Conjugation</b>    | Biotin  |

## GENE INFORMATION

|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | IL27 interleukin 27 [ <i>Mus musculus</i> ]  |
| <b>Official Symbol</b> | IL27   |
| <b>Synonyms</b>        | IL27; interleukin 27; interleukin-27 subunit alpha; IL27-A; IL-27-A; interleukin 30; IL-27 p28 subunit; IL-27 subunit alpha; p28; IL30; IL-27; IL-27p28; |
| <b>Gene ID</b>         | 246779   |
| <b>mRNA Refseq</b>     | NM_145636  |
| <b>Protein Refseq</b>  | NP_663611  |

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