

## Active Recombinant Mouse Il1r2 protein(Met1-Glu355), hFc-tagged

**Cat. No.** Il1r2-8699M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse IL1R2 (P27931) (Met1-Glu355) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.                                                                                                                                                             |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | Met1-Glu355                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                                                                                |
| <b>Bio-activity</b>     | Measured by its ability to bind biotinylated recombinant human IL1 $\alpha$ in a functional ELISA.                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | The recombinant mouse IL1R2 /Fc is a disulfide-linked homodimer. The reduced monomer comprises 583 amino acids and has a predicted molecular mass of 65.1 kDa. The apparent molecular mass of the protein is approximately 91 kDa in SDS-PAGE under reducing conditions due to glycosylation. |
| <b>Endotoxin</b>        | < 1.0 EU per $\mu$ g of the protein as determined by the LAL method                                                                                                                                                                                                                           |
| <b>Purity</b>           | > 85 % as determined by SDS-PAGE                                                                                                                                                                                                                                                              |

 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

**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution** 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.

## GENE INFORMATION

**Gene Name** [Il1r2 interleukin 1 receptor, type II \[ Mus musculus \]](#)

**Official Symbol** [Il1r2](#)

**Synonyms** IL1R2; interleukin 1 receptor, type II; interleukin-1 receptor type 2; IL-1R-2; IL-1RT2; IL-1RT-2; IL-1R-beta; IL-1 type II receptor; IL-1 receptor beta chain; interleukin-1 receptor beta; interleukin-1 receptor type II; CD121 antigen-like family member B; CD121b; Il1r-2;

**Gene ID** [16178](#)

**mRNA Refseq** [NM\\_010555](#)

**Protein Refseq** [NP\\_034685](#)

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