

## Active Recombinant Rhesus IL1B Protein

**Cat. No.** IL1B-1167R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant mature form of Rhesus IL1B (Ala 117-Ser 269) was expressed and purified, with an initial Met.
<b>Species</b>	Rhesus macaque
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ala117-Ser269
<b>Form</b>	Lyophilized from sterile 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured by its ability to induce Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The ED50 for this effect is typically 0.25-1 ng/mL.
<b>Molecular Mass</b>	The recombinant rhesus IL1B consists of 154 amino acids and has a calculated molecular mass of 17.5 kDa. It migrates as an approximately 18 kDa band in SDS-PAGE under reducing conditions.
<b>Purity</b>	> 97 % as determined by SDS-PAGE. > 90 % as determined by SEC-HPLC.
<b>Storage</b>	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.

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**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.

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