

Active Recombinant Mouse Il1b protein, His-tagged

Cat. No. Il1b-7238M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il1b protein(Val118-Ser269), fused with C-terminal His tag, was expressed in E.coli.
Species	Mouse
Source	E.coli
ProteinLength	118-269 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized Mouse IL1B at 10 µg/mL (100 µL/well) can bind Human IL1R2 with a linear range of 0.03125-0.8036 µg/mL. 2. Measured in a cell proliferation assay using D10.G4.1 mouse helper T cells. The ED50 for this effect is 42.1-168.4 pg/mL, corresponding to a specific activity of 5.94×10^6 - 2.37×10^7 units/mg.
Molecular Mass	18.23 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months,

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at 2-8°C for up to 1 week.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

Gene Name [IL1b interleukin 1 beta \[Mus musculus \]](#)

Official Symbol [IL1b](#)

Synonyms IL1B; interleukin 1 beta; interleukin-1 beta; IL-1 beta; IL-1b; IL-1beta;

Gene ID [16176](#)

mRNA Refseq [NM_008361](#)

Protein Refseq [NP_032387](#)

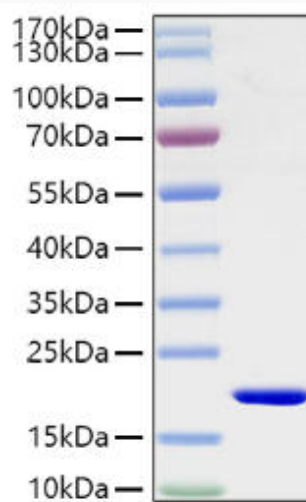
Activity

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SDS-PAGE



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