

Active Recombinant Rat IL1b protein

Cat. No. IL1b-463R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Rat IL1b protein(Q63264)(117-268 aa) was expressed in E. coli.
Species	Rat
Source	E. coli
ProteinLength	117-268 aa
Form	Lyophilized from a 0.2 µ filtered concentrated solution in PBS, pH 7.4, with 5 % trehalose, 0.02 % Tween-20.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine D10S cells is less than 0.1 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^7$ IU/mg.
Molecular Mass	Approximately 17.3 kDa, a single non-glycosylated polypeptide chain containing 153 amino acids.
AASequence	MVPIRQLHCR LRDEQQKCLV LSDPCELKAL HLNGQNISQQ VVFSMSFVQG ETSNDKIPVA LGLKGLNLYL SCVMKDGTP T LQLESVDPKQ YPKKKMEKRF VFNKIEVKTK VEFESAQFPN WYISTSQAEH RPYVFLGNSNG RDIVDFTMEP VSS
Endotoxin	Less than 1 EU/g of rRtIL-1β as determined by LAL method.
Purity	> 96 % by SDS-PAGE and HPLC analyses.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

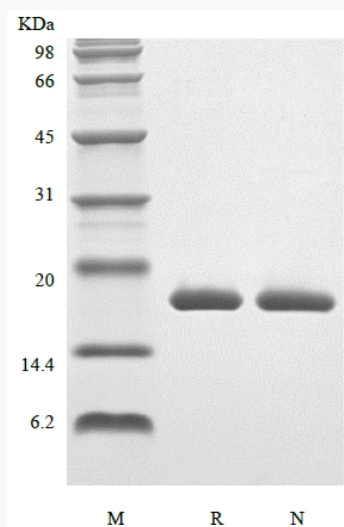
Gene Name	Il1b interleukin 1 beta [<i>Rattus norvegicus</i>]
Official Symbol	Il1b
Synonyms	IL1B; interleukin 1 beta; interleukin-1 beta; IL-1 beta;
Gene ID	24494
mRNA Refseq	NM_031512
Protein Refseq	NP_113700

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SDS-PAGE



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