

Recombinant Rat Il1b Protein, His-tagged

Cat. No. Il1b-1019R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Il1b Protein (Val117-Ser268) with His tag was expressed in 293F.
Species	Rat
Source	HEK293
ProteinLength	Val117-Ser268
Description	Enables cytokine activity. Involved in several processes, including positive regulation of intracellular signal transduction; regulation of gene expression; and regulation of neurogenesis. Located in extracellular space. Used to study several diseases, including artery disease (multiple); brain disease (multiple); glomerulonephritis (multiple); interstitial lung disease (multiple); and kidney failure (multiple). Biomarker of several diseases, including artery disease (multiple); auditory system disease (multiple); brain disease (multiple); kidney failure (multiple); and lung disease (multiple). Human ortholog(s) of this gene implicated in several diseases, including autoimmune disease (multiple); blood platelet disease (multiple); eye disease (multiple); gastrointestinal system cancer (multiple); and lung disease (multiple). Orthologous to human IL1B (interleukin 1 beta).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 18.2 kDa; Accurate Molecular Mass: 20 kDa
Purity	> 95%

 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

Applications	Cell culture; Activity Assays.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 10mM PBS (pH7.6) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

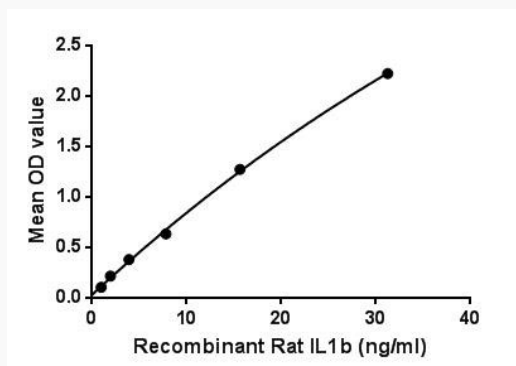
Gene Name	IL1b interleukin 1 beta [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	IL1b
Synonyms	IL1B; interleukin 1 beta; interleukin-1 beta; IL-1 beta;
Gene ID	24494
mRNA Refseq	NM_031512
Protein Refseq	NP_113700
UniProt ID	Q63264

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

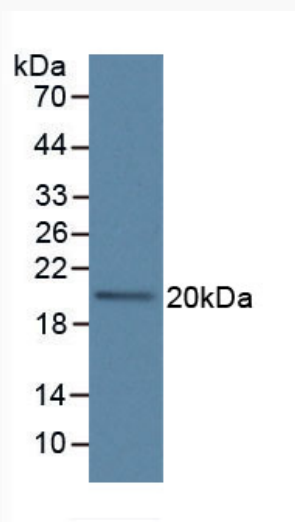
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Binding activity



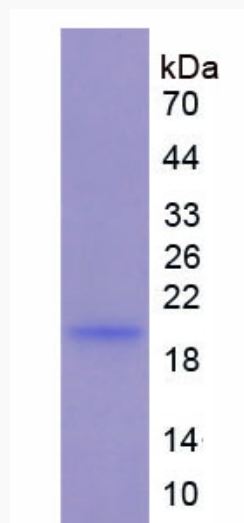
WB



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



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