



Recombinant rat IL-1 β

Rat interleukin 1 beta

Catalog # KPG-RPRIL1B

IL-1 β is an important inflammatory cytokine produced by several types of cells, especially activated macrophages. This is an important innate immune cytokine against microbial infections and plays an important role in the immune response to microbial invasions and in the infectious shocks. The cytokine has a molecular mass each of 17 kilo Daltons. Recombinant rat IL-1 β can be intended for use in cell culture applications. Recombinant rat IL-1 β is produced in E. coli BL21 transfected with the full-length sequence for the rat IL-1 β gene in the PET21b+.

PRODUCT INFORMATION

Content:

- 100 ng of lyophilized recombinant rat IL-1 β

Storage and stability:

- Recombinant rat IL-1 β is shipped and stored at -20°C.
- Upon receipt, add sterile distilled water and prepare aliquots of recombinant rat IL-1 β and store at -20°C for 12 months.

Note: Avoid repeated freeze-thaw cycles.

Quality control

- Purity greater than 98% as determined by SDS-PAGE.
- Endotoxin levels <0.1 EU/ μ g as determined using a kinetic chromogenic LAL assay.
- Biological activity was not tested.
- Did not Sterile. Please sterile after reconstitution using 0.22 μ m filter.
- Expression system: E. coli BL21 strain
- Accession: Q63264
- Protein length: Full length protein
- Animal free: Yes
- Carrier free: Yes
- Nature: Recombinant
- Predicted molecular weight: 32 kDa

CHARACTERISTICS

Source: Bacteria; E. coli BL21

Predicted molecular mass: $\approx$ 32 kDa (as determined by SDS-PAGE)

Formulation:

Recombinant rat IL-1 β needs to be sterilized by filtered from 0.22 μ m filter.
Solubility: 20 μ g/ml in water

RELATED PRODUCTS

Recombinant Human TNF- α
Recombinant Human IL-2
Recombinant Human IL-4
Recombinant Human IL-6
Recombinant Human IL-8
Recombinant Human IL-10
Recombinant Human IL-12
Recombinant Human IL-13
Recombinant Human IL-17A
Recombinant Human IL-29
Recombinant Human IL-18
Recombinant Human IFN- γ
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Recombinant Human CCL21
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