



Recombinant rat TNF- α

Rat tumor necrosis factor-alpha

Catalog # KPG-ReRTNF

TNF- α is an important inflammatory cytokine produced by macrophages prominently. This is an important cytokine to induce innate immunity against microbial infections. It also participates in the pathogenesis of infectious shock and autoimmune disorders. The cytokine has a molecular mass each of 17 kilo Daltons. Recombinant rat TNF- α can be intended for use in *in vivo* and *in vitro* applications. Recombinant rat TNF- α is produced in E. coli BL21 transfected with the full-length sequence for the rat TNF- α gene in the PET21b+.

PRODUCT INFORMATION

Content:

- 100 ng of lyophilized recombinant rat TNF- α

Storage and stability:

- Recombinant rat TNF- α is shipped and stored at -20°C.
- Upon receipt, add 1 mL sterile distilled water and prepare aliquots of recombinant rat TNF- α 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: P16599
- Protein length: Full length protein
- Animal free: Yes
- Carrier free: Yes
- Nature: Recombinant
- Predicted molecular weight: 17 kDa

CHARACTERISTICS

Source: Bacteria; E. coli BL21

Predicted molecular mass: $\approx$ 17 kDa (as determined by SDS-PAGE)

Formulation:

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

RELATED PRODUCTS

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Recombinant Human IL-4
Recombinant Human IL-6
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Recombinant Human IL-17A
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Recombinant Human IL-29
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