



Recombinant mouse TNF- α **Mouse tumor necrosis factor-alpha** **Catalog # KPG-ReMTNF**

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 mouse TNF- α can be intended for use in *in vivo* and *in vitro* applications. Recombinant mouse TNF- α is produced in E. coli BL21 transfected with the full-length sequence for the mouse TNF- α gene in the PET21b+.

PRODUCT INFORMATION

Content:

- 100 ng of lyophilized recombinant mouse TNF- α

Storage and stability:

- Recombinant mouse TNF- α is shipped and stored at -20°C.
- Upon receipt, add 1 mL sterile distilled water and prepare aliquots of recombinant mouse 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: P06804
- 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 mouse 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-6
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Recombinant Human IL-17A
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Recombinant Human IL-29
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