



Recombinant human TNF- α **Human tumor necrosis factor-alpha** **Catalog # KPG-ReHTNF**

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

PRODUCT INFORMATION

Content:

- 10 μ g (of recombinant human TNF- α)

Storage and stability:

- Recombinant human TNF- α is shipped and stored at -20°C.
- Upon receipt, aliquot 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: P01375.1
- 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 human TNF- α needs to be sterilized by filtered from 0.22 μ m filter.
Solubility: 200 μ g/ml in water

RELATED PRODUCTS

Recombinant Human IL-1 β
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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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